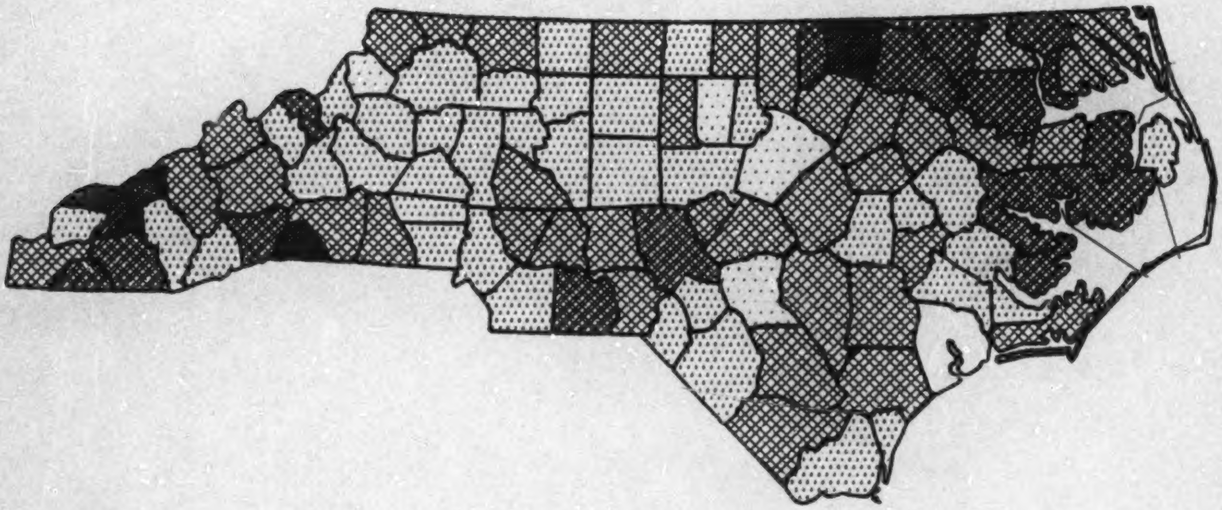
S5940-1.2-4

LEADING CAUSES OF MORTALITY



North Carolina
Vital Statistics
1984—Volume 2

LEADING CAUSES OF MORTALITY

North Carolina
Vital Statistics
1984—Volume 2

SCHS

State Center For Health Statistics
N.C. Department of Human Resources
Division of Health Services

STATE OF NORTH CAROLINA
James G. Martin, Governor

DEPARTMENT OF HUMAN RESOURCES
Phillip J. Kirk, Jr., Secretary

DIVISION OF HEALTH SERVICES
Ronald H. Levine, M.D., M.P.H., State Health Director

OFFICE OF MANAGEMENT SERVICES
Margaret Woodcock, M.A., M.P.A, Assistant Director

STATE CENTER FOR HEALTH STATISTICS
Charles J. Rothwell, M.B.A., M.S., Director

October 1985

750 copies of this public document were
printed at a cost of $1,283.00 or $1.71 per copy.

TABLE OF CONTENTS

Page

FIGURE 1.A—Department of Human Resources Regions . . . v
FIGURE 1.B—Health Service Areas . . . vi

PREFACE . . . vii

I. COMPUTATION OF MORTALITY RATES . . . 1- 1

II. INTERPRETATION OF MORTALITY RATES . . . 2- 1

III. FLAGGING BIASED RATES . . . 3- 1

IV. NORTH CAROLINA MORTALITY HIGHLIGHTS . . . 4- 1

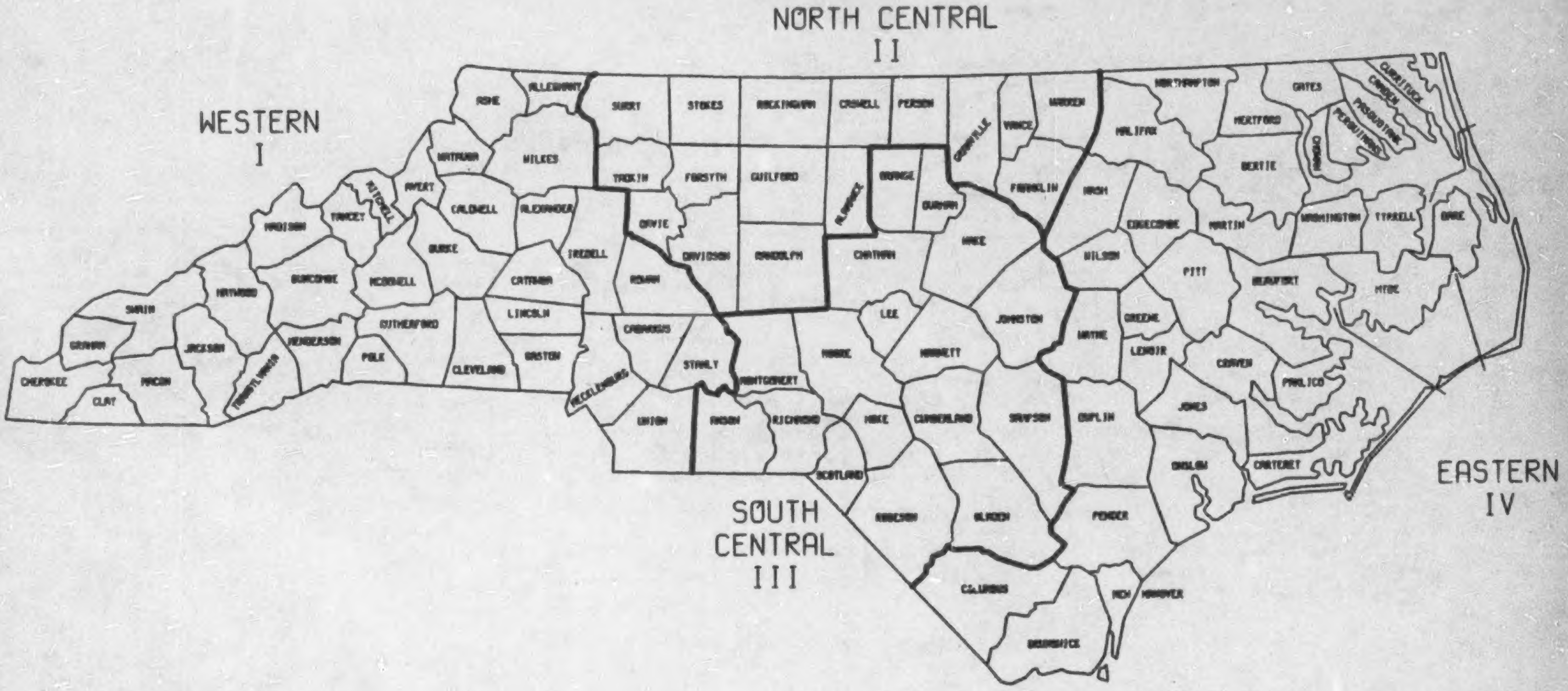
V. TABLES AND FIGURES: MORTALITY STATISTICS FOR 1980-84

Total Deaths . . . 5- 3
Heart Disease . . . 5- 9
Acute Myocardial Infarction . . . 5- 15
Other Forms of Ischemic Heart Disease . . . 5- 21
Hypertension with or without Renal Disease . . . 5- 27
Cerebrovascular Disease . . . 5- 29
Atherosclerosis . . . 5- 35
Cancer . . . 5- 37
  Cancer of Stomach . . . 5- 43
  Cancer of Colon, Rectum, and Anus . . . 5- 49
  Cancer of Pancreas . . . 5- 55
  Cancer of Trachea, Bronchus, and Lung . . . 5- 61
  Cancer of Female Breast . . . 5- 67
  Cancer of Cervix Uteri . . . 5- 73
  Cancer of Ovary and Other Uterine Adnexa . . . 5- 79
  Cancer of Prostate . . . 5- 85
  Leukemia . . . 5- 91
Diabetes Mellitus . . . 5- 97
Pneumonia and Influenza . . . 5- 99
Chronic Obstructive Pulmonary Disease . . . 5-105
Chronic Liver Disease and Cirrhosis . . . 5-111
Nephritis, Nephrotic Syndrome, and Nephrosis . . . 5-117
Motor Vehicle Accidents . . . 5-123
All Other Accidents and Adverse Effects . . . 5-129
Suicide . . . 5-135
Homicide . . . 5-141
Infant Mortality . . . 5-147

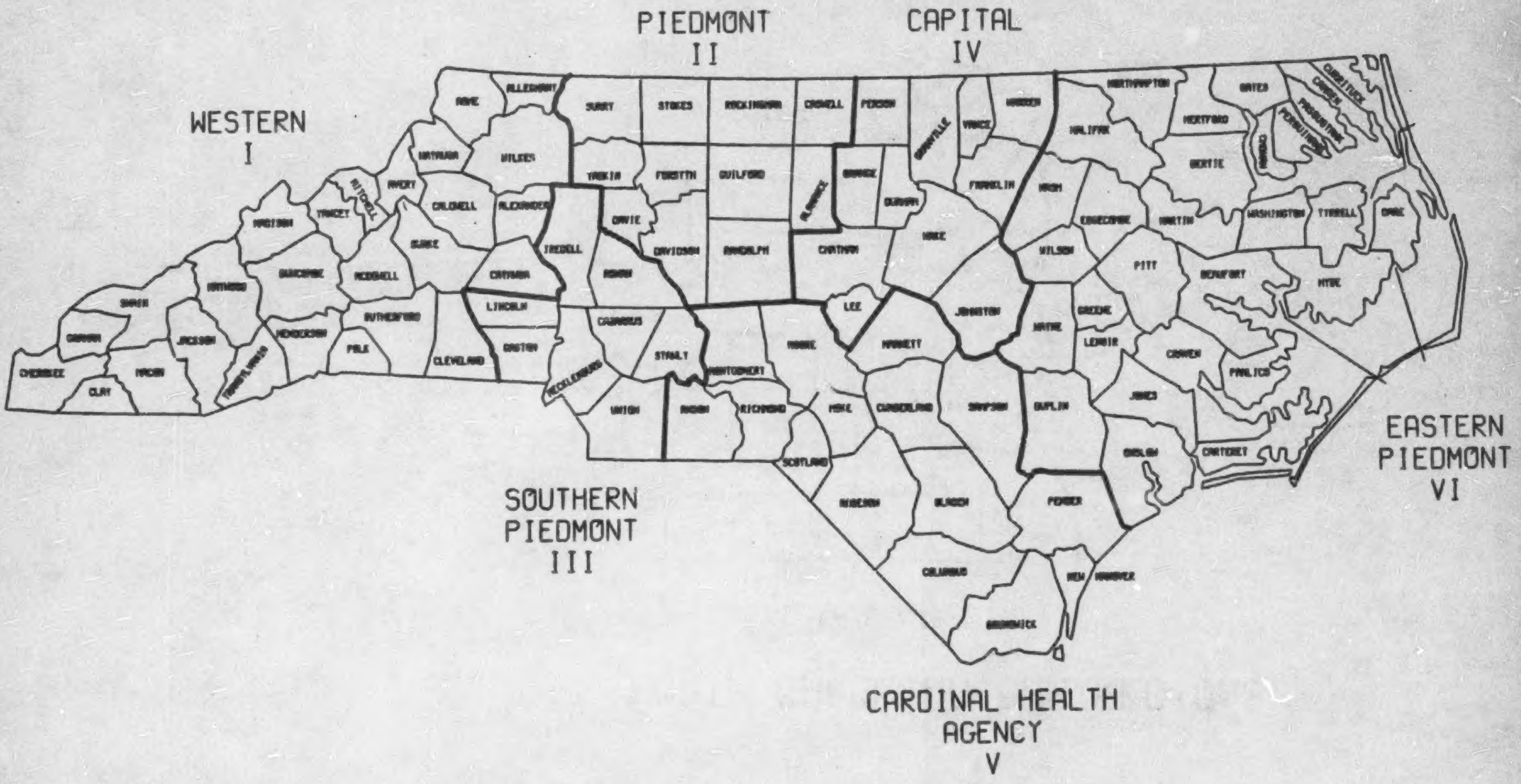
VI. TABLES AND FIGURES: MULTIPLE CONDITIONS PRESENT AT DEATH, 1980-84

REFERENCES

NORTH CAROLINA DHR REGIONS


NORTH CENTRAL
II
WESTERN
I
SOUTH
CENTRAL
III
EASTERN
IV
ASHE
ALLEGHANY
SURRY
STOKES
ROCKINGHAM
CASWELL
PERSON
GRANVILLE
VANCE
WARREN
NORTHAMPTON
GATES
CURRITUCK
CAMDEN
PASQUOTANK
PERQUIMANS
CHOWAN
HERTFORD
BERTIE
HALIFAX
WATAUGA
WILKES
YADKIN
FORSYTH
GUILFORD
ALAMANCE
ORANGE
DURHAM
FRANKLIN
NASH
EDGECOMBE
MARTIN
WASHINGTON
TYRRELL
DARE
MITCHELL
AVERY
CALDWELL
ALEXANDER
DAVIE
YANCEY
MADISON
BURKE
IREDELL
DAVIDSON
RANDOLPH
CHATHAM
WAKE
WILSON
PITT
BEAUFORT
HYDE
HAYWOOD
BUNCOMBE
MCDOWELL
CATAWBA
ROWAN
SWAIN
LINCOLN
RUTHERFORD
CABARRUS
LEE
JOHNSTON
WAYNE
GREENE
GRAHAM
JACKSON
HENDERSON
POLK
CLEVELAND
GASTON
STANLY
MONTGOMERY
MOORE
HARNETT
LENOIR
CRAVEN
PAMLICO
CHEROKEE
CLAY
MACON
TRANSYLVANIA
MECKLENBURG
UNION
ANSON
RICHMOND
HOKE
CUMBERLAND
SAMPSON
DUPLIN
JONES
ONSLOW
CARTERET
SCOTLAND
ROBESON
BLADEN
PENDER
COLUMBUS
NEW HANOVER
BRUNSWICK

NORTH CAROLINA HEALTH SERVICE AREAS



PIEDMONT
II
CAPITAL
IV
WESTERN
I
SOUTHERN
PIEDMONT
III
CARDINAL HEALTH
AGENCY
V
EASTERN
PIEDMONT
VI
ASHE
ALLEGHANY
SURRY
STOKES
ROCKINGHAM
CASWELL
PERSON
GRANVILLE
VANCE
WARREN
NORTHAMPTON
GATES
CURRITUCK
CAMDEN
PASQUOTANK
PERQUIMANS
CHOWAN
HERTFORD
HALIFAX
BERTIE
WATAUGA
WILKES
YADKIN
FORSYTH
GUILFORD
ALAMANCE
ORANGE
DURHAM
FRANKLIN
NASH
EDGECOMBE
MARTIN
WASHINGTON
TYRRELL
DARE
MITCHELL
AVERY
CALDWELL
ALEXANDER
IREDELL
DAVIE
DAVIDSON
RANDOLPH
CHATHAM
WAKE
WILSON
PITT
BEAUFORT
HYDE
MADISON
YANCEY
BURKE
CATAWBA
ROWAN
HAYWOOD
BUNCOMBE
MCDOWELL
LINCOLN
CABARRUS
LEE
JOHNSTON
GREENE
WAYNE
LENOIR
SWAIN
GRAHAM
JACKSON
HENDERSON
RUTHERFORD
POLK
CLEVELAND
GASTON
STANLY
MONTGOMERY
MOORE
HARNETT
CRAVEN
PAMLICO
CHEROKEE
CLAY
MACON
TRANSYLVANIA
MECKLENBURG
UNION
ANSON
RICHMOND
HOKE
CUMBERLAND
SAMPSON
DUPLIN
JONES
ONSLOW
CARTERET
SCOTLAND
ROBESON
BLADEN
PENDER
COLUMBUS
NEW HANOVER
BRUNSWICK

PREFACE

The State Center for Health Statistics has produced periodically a major publication describing North Carolina's mortality experience for a five-year period. The 1981 *Leading Causes of Mortality*, the third major publication of this type, included statistical tables, maps, and graphs as well as an analysis for each leading cause of death in North Carolina. In the interim years, the State Center publishes supportive reports of mapped and tabular data only.

This edition of *Leading Causes of Mortality* is a supportive report which should be used in conjunction with the 1981 edition for purposes of health planning and analysis. Another report that can be used is *Detailed Mortality Statistics* which provides annual counts of deaths classified according to detailed underlying causes of death and the age, race, and sex of decedents.

The tables and maps in this report show selected mortality statistics for counties, Department of Human Resources regions, Health Services Areas, and the state (see maps on preceding pages). More than a dozen of North Carolina's leading causes of mortality are depicted in these tables and maps. In addition, the site-specific cancers and total infant mortality are also tabled and mapped. Table 1 on page 4-3 describes the selected cause-of-death categories in terms of codes from *International Classification of Diseases* (Ninth Revision). Altogether, the causes included in this report accounted for 86.1 percent of all North Carolina deaths during 1984.

As with previous editions, multiple conditions present at death are included in this volume. Three diseases in particular—hypertension, atherosclerosis, and diabetes—are considered associated conditions far more often than they are considered an underlying cause. Hence, Figures 29.A through 31.B display 1980-84 county rates for deaths associated with a mention of each of these diseases.

IN USING THIS VOLUME PARTICULAR ATTENTION IS CALLED TO THE SECTIONS ON *INTERPRETATION OF MORTALITY RATES AND FLAGGING BIASED RATES.*

I. COMPUTATION OF MORTALITY RATES

In this report, total death rates are expressed as resident deaths per 1,000 population while all cause-specific mortality rates are expressed as resident deaths per 100,000 population. All rates in Tables 1-27 use total population in the denominator, except rates for the sex-specific cancer sites, which use male or female population in the denominator. The infant mortality rates of Table 28 and Figure 28 are computed as the number of resident deaths under one year of age per 1,000 resident live births. Population bases for the rates of this report were provided by the Office of State Budget and Management in the Governor's Office.

Vital events in this report are allocated to place of residence. For deaths of inmates of long-term institutions (mental, penal, old age, orphan, nursing home, rest home, etc.), the institution is considered the usual residence provided the decedent had resided in the institution at least one year. College students and military personnel are considered residents of the college or military community.

The following definitions apply to the rates of Tables 1-27.

Unadjusted Annual Death Rate: the annual death rate computed as resident deaths per 1,000 or 100,000 population. These rates permit the user knowledge of an area's status with respect to the observed incidence of mortality during the given year.

Unadjusted 5-Year Death Rate: the average annual death rate computed as average resident deaths per 1,000 or 100,000 average population. These rates permit the user knowledge of an area's status with respect to the observed incidence of mortality during the 5-year period. These rates are depicted in the Series A maps (e.g., Figures 2.A, 3.A, etc.) printed in blue.

Adjusted 5-Year Death Rate: the average annual age-race-sex-adjusted rates computed by the direct method. Also expressed as deaths per 1,000 or 100,000 population, these rates are those which **would be expected** if the average annual age, race, and sex composition of each county's population were the same as that estimated for the state. These rates are free of differing effects of age, race, and sex and thus permit the user knowledge of an area's status with respect to other determinants of mortality during the 5-year period. However, the user should not compare an adjusted death rate with an unadjusted death rate. Also, adjusted rates for different time periods cannot be directly compared unless they were adjusted by the same standard population. The adjusted rates are depicted in the Series B maps (e.g., Figures 2.B., 3.B., etc.) printed in red.

For the maps, a clustering routine* from the Statistical Analysis System (SAS) was used to group counties that are "most like each other" with respect to their unadjusted rate and then their adjusted rate (1). These maps show six levels of death rates, where level one is the lowest rate interval and level six the highest.

---

*In 1983 the State Center for Health Statistics conducted an evaluation of several clustering methods. It was found that one method, called "Average Linkage Method," produced tighter clusters (i.e., clusters with smaller within-cluster variances) than the other methods examined. Consequently, we plan to use this method henceforth to cluster county rates in all SCHS publications.

II. INTERPRETATION OF MORTALITY RATES

To assess an area's relative mortality conditions during a five-year period, both the unadjusted rate and the adjusted rate can be compared to the state rate for a particular cause of death. Then, provided the area's unadjusted rate represents a relatively stable situation, viz., the rate has not fluctuated widely in recent years, the following alternative diagnoses will apply:

Relative Status Of Unadjusted Rate	Relative Status Of Adjusted Rate	Diagnosis
Low	Low	Low mortality is not due to age, race, and sex factors; other mortality conditions are favorable.
Low	High	Low mortality is due to favorable age, race, and sex factors; other mortality conditions are unfavorable.
High	Low	High mortality is due to unfavorable age, race, and sex factors; other mortality conditions are favorable.
High	High	High mortality is not due to age, race, and sex factors; other mortality conditions are unfavorable.

In using adjusted rates, it is important that the user understand the reason for adjustment. The following hypothetical example illustrates. Here, A and B stand for population subgroups, e.g., whites and nonwhites, males and females, etc.

	County			State		
	Population	Deaths	Death Rate*	Population	Deaths	Death Rate*
Population A	300,000	1,000	333.3	500,000	2,500	500.0
Population B	10,000	10	100.0	800,000	1,000	125.0
Total	310,000	1,010	325.8	1,300,000	3,500	269.2

*Deaths per 100,000 population.

Compared to the state, county subgroups A and B both have lower rates, but the county as a whole (A and B combined) has a higher rate. This seemingly paradoxical situation results from two factors: different proportions of A and B in the county vs. the state population and wide differences between the rates for A vs. B. In this example, it is true that the county has the higher total rate—BUT ONLY BECAUSE THE POPULATION CONTAINS A HIGH PROPORTION OF SUBGROUP A.

Certainly, it is important for program planners to know that the county has a high rate relative to the state rate; this information is needed in determining manpower and facility needs, etc. But in assessing "risk," the researcher needs to adjust for confounding factors such as age or race. To do this, one multiplies each population-specific county rate by the corresponding "standard" population, sums these results, and divides by the total "standard." In the above example, using the state population as the standard, the computation is:

$$\frac{(1000/300{,}000 \times 500{,}000) + (10/10{,}000 \times 800{,}000)}{1{,}300{,}000} = 0.001897 \text{ or } 189.7 \text{ per } 100{,}000 \text{ population}$$

Thus, as rates specific for A and B imply, the county's rate is lower than the state's rate after adjustment for the factor represented by A and B.

Caution!

In assessing the relative mortality conditions of a county, one should be particularly aware of rates based on small numbers of deaths since, in such cases, random fluctuation in the rate may render rate comparisons risky. The reader should read very carefully the next section entitled "Flagging Biased Rates."

III. FLAGGING BIASED RATES

The age-race-sex adjusted rates in this publication that have been determined to be biased are flagged with an asterisk to suggest caution in their use. A complete description of the rationale and method for flagging biased rates can be found in the 1981 *Leading Causes of Mortality*. A short summary is provided below.

Any rate with a small number of events (deaths) in the numerator will have substantial random variability over time, or a large standard error. A useful rule of thumb is that any rate based on fewer than 20 events in the numerator may involve serious random error and should be used very cautiously in making comparisons or assessing trends (2). Many of the rates in this volume do have numerators smaller than 20.

In addition to the problem of a large standard error, the age-race-sex-adjusted rates in this volume may be biased due to one or more deaths in a small age-race-sex population group. One death out of an estimated population of 5, for example, would produce a death rate of 20,000 per 100,000 population. If this rate were applied to the appropriate age-race-sex group of the standard population, a very large number of expected deaths would result and the adjusted rate would be biased. In this volume an adjusted rate is flagged if: a) applying the age-race-sex-specific rates of a county for a given cause to the standard population results in more than 25 percent of the total expected deaths being generated by one cell, and b) the denominator of the rate is also less than 50 (an average of 10 per year). These criteria will catch only the worst problems. Only thirty-three out of a total of 2500 county adjusted rates in this volume are flagged by this method.

In addition to putting asterisks by those 1980-84 adjusted rates with a large bias due to an extremely high age-race-sex-specific rate, the rates have been recomputed by substituting the appropriate North Carolina age-race-sex-cause-specific rate in the problem cell. The table on the next page compares the flagged rates with the rates where the state rate has been substituted. The reader who must use one of these flagged rates is advised to use the rate in this table with the substitution instead. If the latter rate is clearly out of line with the North Carolina rate in the last column, the rate should be treated as missing data.

1980-84 Age-Race-Sex Adjusted Death Rates: Flagged Rates and Rate after Substitution of State Rate in Problem Cell

County	Cause	Problem Cell	Numerator	Denominator	Flagged Rate	Adjusted Rate With Substitution	N.C. Rate For Cause
Alexander	Hypertension	NWF 85+	1	47	6.09	3.79	4.04
Alexander	Atherosclerosis	NWM 85+	1	10	15.58	10.32	9.21
Alleghany	Stroke	NWM 75-84	2	17	87.99	64.71	76.75
Alleghany	Stomach Cancer	NWM 75-84	1	17	14.07	1.41	4.69
Alleghany	Lung Cancer	NWM 65-74	1	37	51.70	39.30	44.33
Alleghany	Nephritis	NWF 85+	1	28	12.76	8.96	8.58
Avery	Stroke	NWM 75-84	1	18	47.57	37.91	76.75
Avery	Chronic Lung Disease	NWM 75-84	1	18	43.82	32.09	22.78
Avery	Chronic Liver Disease	NWM 55-64	1	46	23.38	6.85	10.37
Avery	Other Accidents	NWM 85+	1	1	71.54	16.85	24.24
Clay	Heart Disease	NWM 75-84	1	2	380.34	277.93	303.31
Clay	Acute Myocardial Infarction	NWM 75-84	1	2	265.98	158.70	133.62
Clay	Total Cancer	NWM 65-74	1	10	164.40	117.09	168.60
Graham	Prostate Cancer	NWM 65-74	1	38	39.93	13.16	21.89
Haywood	Leukemia	NWF 85+	1	30	9.68	5.93	6.56
Henderson	Leukemia	NWM 85+	1	26	7.94	5.86	6.56
Hyde	Colon Cancer	WM 85+	1	49	10.25	6.66	17.90
Hyde	Diabetes	WM 85+	1	49	15.02	11.16	13.84
Hyde	Pneumonia & Influenza	WM 85+	3	49	40.96	30.94	22.20
Hyde	Chronic Lung Disease	WM 85+	1	49	6.81	3.69	22.78
Macon	Prostate Cancer	NWM 75-84	1	26	37.00	22.63	21.89
Madison	Stroke	NWM 55-64	1	39	66.87	48.72	76.75
Madison	Atherosclerosis	NWF 85+	1	16	11.89	5.22	9.21
Madison	Diabetes	NWM 75-84	1	10	33.61	11.99	13.84
Madison	Pneumonia & Influenza	NWM 85+	1	8	27.23	20.78	22.20
Madison	Chronic Lung Disease	NWM 65-74	1	23	42.15	19.23	22.78
Mitchell	Pancreatic Cancer	NWM 75-84	1	20	18.16	7.41	9.18
Mitchell	Other Accidents	NWM 65-74	1	17	52.34	20.77	24.24
Swain	Stomach Cancer	NWF 85+	1	20	6.10	3.43	4.69
Transylvania	Diabetes	NWM 75-84	1	44	14.02	9.35	13.84
Tyrrell	Prostate Cancer	NWM 85+	1	14	23.74	16.84	21.89
Watauga	Atherosclerosis	NWM 85+	1	8	9.52	2.89	9.21
Yancey	Stroke	NWF 85+	1	5	66.41	45.78	76.75

IV. NORTH CAROLINA MORTALITY HIGHLIGHTS

In the 1981 *Leading Causes of Mortality* extensive analyses of North Carolina's mortality experience were presented. That volume contained statistical tables, maps, and graphs as well as cause-specific discussions of trends, geographic patterns, risk factors, and recent research. We do not expect that the general mortality picture has changed very much in three years. Thus in this section, we will highlight 1984 unadjusted death rates for selected causes and the changes in rates from 1981 through 1984. The reader should consult the 1981 volume for a detailed discussion of each cause.

- As shown in Table 1, a total of 51,032 North Carolinians died in 1984, a rate of 8.27 deaths per 1,000 population. The 1984 rate is equivalent to the 1983 rate which was 2.4 percent above the 1982 rate.

- The median age at death was 71.7 years, up from 71.4 years in 1983, 70.7 in 1982, 70.4 in 1981, 66.4 in 1970, and 28.1 in 1914 when deaths were first centrally recorded. The median age at death for whites was 72.1 years compared to 68.1 years for nonwhites.

- The ten leading causes of death are heart disease, cancer, cerebrovascular disease, accidents, chronic obstructive pulmonary disease, pneumonia and influenza, diabetes, suicide, chronic liver disease/cirrhosis, and nephritis/nephrotic syndrome/nephrosis.

- Of the selected causes of death shown in this volume, cancer, cerebrovascular disease, and homicide were the only causes to show consistent changes in rates between 1981 and 1984. The cancer rate increased each year (from 166.23 to 172.75 per 100,000 population) while the rates for cerebrovascular disease and homicide declined (from 79.2 to 73.2 and 10.5 to 8.5, respectively). Other causes involving large percent changes between 1981 and 1984 were chronic liver disease/cirrhosis (−13%), atherosclerosis (−11%), all other accidents (−8%), motor vehicle accidents (−6%), diabetes (+6%), and chronic obstructive pulmonary disease (+11%). These changes were statistically significant at the .05 level for cerebrovascular disease, total cancer, chronic obstructive pulmonary disease, chronic liver disease/cirrhosis, all other accidents, and homicides.

- With the exception of nonwhite females whose rate declined only 3 percent, each race-sex group experienced at least a 20 percent decline in homicide rates between 1981 and 1984. Despite these declines, the unadjusted rate for nonwhite males continues to be at least three times the rate of any other race-sex group.

- Among the nine site-specific cancers referenced in this volume, the unadjusted rates for ovarian, breast and lung cancers increased each year between 1981 and 1984 and declined each year for cancer of the cervix uteri. The percent changes for the increasing rates were 13.6, 11.1 and 10.8 respectively, and 10.2 for the declining rate. Of these four causes, only the changes for lung and female breast cancers were statistically significant at the .05 level. Rates for the other site-specific cancers fluctuated between 1981 and 1984; however, their 1984 rates did not deviate more than 5% from the 1981 rates.

- Comparisons of female breast and ovarian cancer rates by race are risky since they are based on small numbers of events. However, between 1981 and 1984 female breast cancer increased each year among both race groups, with the 1984 white and nonwhite rates being 9.8 and 16.4 percent, respectively, above the 1981 rates. No discernible pattern was noted for ovarian cancer death for either race group.

- While the unadjusted lung cancer rate increased each year from 1981 to 1984, the rates fluctuated for each race-sex group except nonwhite females. White females, whose rate increased in both 1983 and 1984, experienced the largest percent increase from 1981 to 1984 (25 percent), followed by nonwhite males (11 percent) and white males (7 percent). For nonwhite females, the unadjusted rate continues to remain relatively stable.

- After increasing 4.0 percent from 1981 to 1982, the overall infant mortality rate declined 3.4 percent in 1983 and another 5.3 percent in 1984 to a rate of 12.5 deaths per 1000 live births. The rate reductions were due primarily to reductions in nonwhite neonatal mortality (from 14.2 in 1982 to 12.5 in 1983 to 11.5 in 1984). Provisionally, North Carolina's infant rate was exceeded by only five states in 1984 (3). The nonwhite postneonatal mortality rate remained unchanged in 1984 following a large increase in 1983 (21.8%). Due to the small numbers involved, this increase was not statistically significant.

- After declining in 1983 to 748 cases, the number of suicides increased to 820 recorded cases in 1984, the highest number of cases ever recorded for North Carolina residents. White males still account for a preponderance of North Carolina's suicides, comprising 71% of all recorded cases in 1984. Among teenagers, the number of suicides increased from 36 to 55 from 1983 to 1984; however, the 1984 number is comparable to the 1981 and 1982 numbers (54 and 62, respectively).

- Since 1960 North Carolina has experienced rapid increases in the septicemia death rate, a pattern also evident for the U.S. The 1970-80 average annual percent increase (19.4%) was almost twice the 1960-70 average annual increase (10.0%). Between 1981 and 1984, the rate increased another 46 percent (from 5.0 to 7.3 deaths per 100,000 population). Approximately 72 percent of these decedents in 1984 were 65 years of age or over, down from 74 percent in 1983 but up from 65 percent in 1982 and 60 percent in 1981.

- After declining each year since 1981, the state's motor vehicle mortality rate increased 14.1 percent from 1983 to 1984 to a rate of 24.1 deaths per 100,000 population. However, the 1984 rate continues to be below the 1981 rate (24.1 vs. 25.6, respectively).

- With the exception of 1983, the state's non-motor-vehicle accident mortality rate declined each year. The 1984 rate (22.7 deaths per 100,000 population) was 8.1 percent below the 1981 rate, a decline that is statistically significant at the .05 level. The leading causes of fatal non-motor-vehicle accidents were submersions/suffocations, falls, and fires. Among infants dying from a non-motor-vehicle accident (18), most (83 percent) died as a result of submersion/suffocation or fire. Almost all of these decedents (93 percent) were over 28 days of age.

- Certain chronic diseases contribute to death far more often than they are considered the underlying cause of death. Specifically, atherosclerosis, hypertension, diabetes, and nephritis/nephrosis were listed on the death certificates of 25.8, 8.1, 7.8, and 5.1 percent, respectively, of all 1984 decedents. As underlying causes, the percentages were 1.1, 0.5, 1.7, and 1.1, respectively.

TABLE 1

MORTALITY STATISTICS FOR 1984 AND 1980-84

NORTH CAROLINA RESIDENTS

Cause of Death - Ninth Revision International Classification of Diseases		Number of deaths 1984	Death Rate* 1984	Death Rate* 1980-84
All Causes		51,032	8.27	8.21
Diseases of Heart	(390-398,402,404-429)	18,870	306.12	303.31
Acute Myocardial Infarction	(410)	8,057	130.70	133.62
Other Forms of Ischemic Heart Disease	(411-414)	5,010	81.27	81.21
Hypertension with or without Renal Disease	(401,403)	244	3.95	4.04
Cerebrovascular Disease	(430-438)	4,512	73.19	76.75
Atherosclerosis	(440)	536	8.69	9.21
Cancer	(140-208)	10,649	172.75	168.60
Stomach	(151)	290	4.70	4.69
Colon, Rectum, and Anus	(153,154)	1,094	17.74	17.90
Pancreas	(157)	586	9.50	9.18
Trachea, Bronchus, and Lung	(162)	2,941	47.71	44.33
Female Breast	(174)	918	28.92	27.06
Cervix Uteri	(180)	149	4.69	5.04
Ovary and other Uterine Adnexa	(183)	273	8.60	7.88
Prostate	(185)	668	22.34	21.89
Leukemia	(204-208)	389	6.31	6.56
Diabetes Mellitus	(250)	873	14.16	13.84
Pneumonia and Influenza	(480-487)	1,428	23.16	22.20
Chronic Obstructive Pulmonary Disease and Allied Conditions	(490-496)	1,491	24.18	22.78
Chronic Liver Disease and Cirrhosis	(571)	591	9.58	10.37
Nephritis, Nephrotic Syndrome, & Nephrosis	(580-589)	542	8.79	8.58
Motor Vehicle Accidents	(810-825)	1,484	24.07	23.96
All Other Accidents and Adverse Effects	(800-807, 826-949)	1,399	22.69	24.24
Suicide	(950-959)	820	13.30	12.58
Homicide	(960-978)	523	8.48	9.98

*See Section I.

V. TABLES AND FIGURES: MORTALITY STATISTICS FOR 1980-84

TABLE 2

MORTALITY STATISTICS FOR 1984

NORTH CAROLINA RESIDENTS

TOTAL DEATHS (PER 1000 POPULATION)

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE* 1980-84
NORTH CAROLINA	51032	8.27	247393	8.21	8.21
REGIONS					
DHR I WESTERN	17697	8.39	85706	8.30	7.99
DHR II N. CENTRAL	11204	8.58	54124	8.42	8.10
DHR III S. CENTRAL	10886	7.57	52243	7.48	8.44
DHR IV EASTERN	11245	8.56	55320	8.63	8.72
HSA I WESTERN	9428	8.90	45342	8.71	7.87
HSA II PIEDMONT	9664	8.38	46628	8.21	8.06
HSA III S. PIEDMONT	8269	7.87	40364	7.88	8.12
HSA IV CAPITAL	6814	7.73	32713	7.72	8.21
HSA V CARDINAL	7603	8.10	36772	8.00	8.74
HSA VI EASTERN	9254	8.54	45574	8.59	8.75
COUNTIES					
1 ALAMANCE	954	9.42	4584	9.13	8.25
2 ALEXANDER	190	7.16	936	7.24	8.05
3 ALLEGHANY	95	9.62	480	9.81	7.62
4 ANSON	277	10.62	1326	10.26	8.55
5 ASHE	236	10.13	1098	9.60	7.56
6 AVERY	114	7.61	606	8.20	9.00
7 BEAUFORT	422	9.85	2136	10.24	8.98
8 BERTIE	244	11.42	1157	10.87	9.17
9 BLADEN	278	9.05	1458	9.50	9.27
10 BRUNSWICK	360	8.28	1645	8.35	8.08
11 BUNCOMBE	1706	10.30	8124	9.93	8.15
12 BURKE	540	7.22	2700	7.32	7.74
13 CABARRUS	831	9.09	4010	9.01	8.47
14 CALDWELL	531	7.74	2481	7.28	8.06
15 CAMDEN	56	9.59	273	9.44	8.69
16 CARTERET	386	8.19	1960	8.87	8.31
17 CASWELL	174	7.98	886	8.31	7.84
18 CATAWBA	873	7.86	4118	7.61	8.22
19 CHATHAM	313	8.94	1494	8.70	7.67
20 CHEROKEE	190	9.51	877	9.02	6.59
21 CHOWAN	143	11.05	709	11.16	8.30
22 CLAY	69	9.76	350	10.11	7.82
23 CLEVELAND	768	9.10	3713	8.85	8.52
24 COLUMBUS	474	9.14	2485	9.62	9.21
25 CRAVEN	517	6.73	2518	6.83	8.55
26 CUMBERLAND	1398	5.49	6467	5.14	9.07
27 CURRITUCK	124	9.62	544	9.11	8.77
28 DARE	145	8.85	614	8.21	7.30
29 DAVIDSON	954	8.16	4300	7.49	7.90
30 DAVIE	218	7.96	955	7.20	7.36
31 DUPLIN	415	9.95	2028	9.84	8.86
32 DURHAM	1415	8.82	6535	8.35	8.27
33 EDGECOMBE	565	9.78	2702	9.52	9.29
34 FORSYTH	2107	8.26	10311	8.26	8.03
35 FRANKLIN	314	9.89	1540	9.97	8.21
36 GASTON	1391	8.27	6741	8.14	8.55
37 GATES	106	11.54	457	10.08	7.59
38 GRAHAM	66	9.26	286	8.03	7.88
39 GRANVILLE	346	9.54	1732	9.84	8.96
40 GREENE	160	9.70	671	8.25	8.79
41 GUILFORD	2717	8.37	13072	8.15	8.11

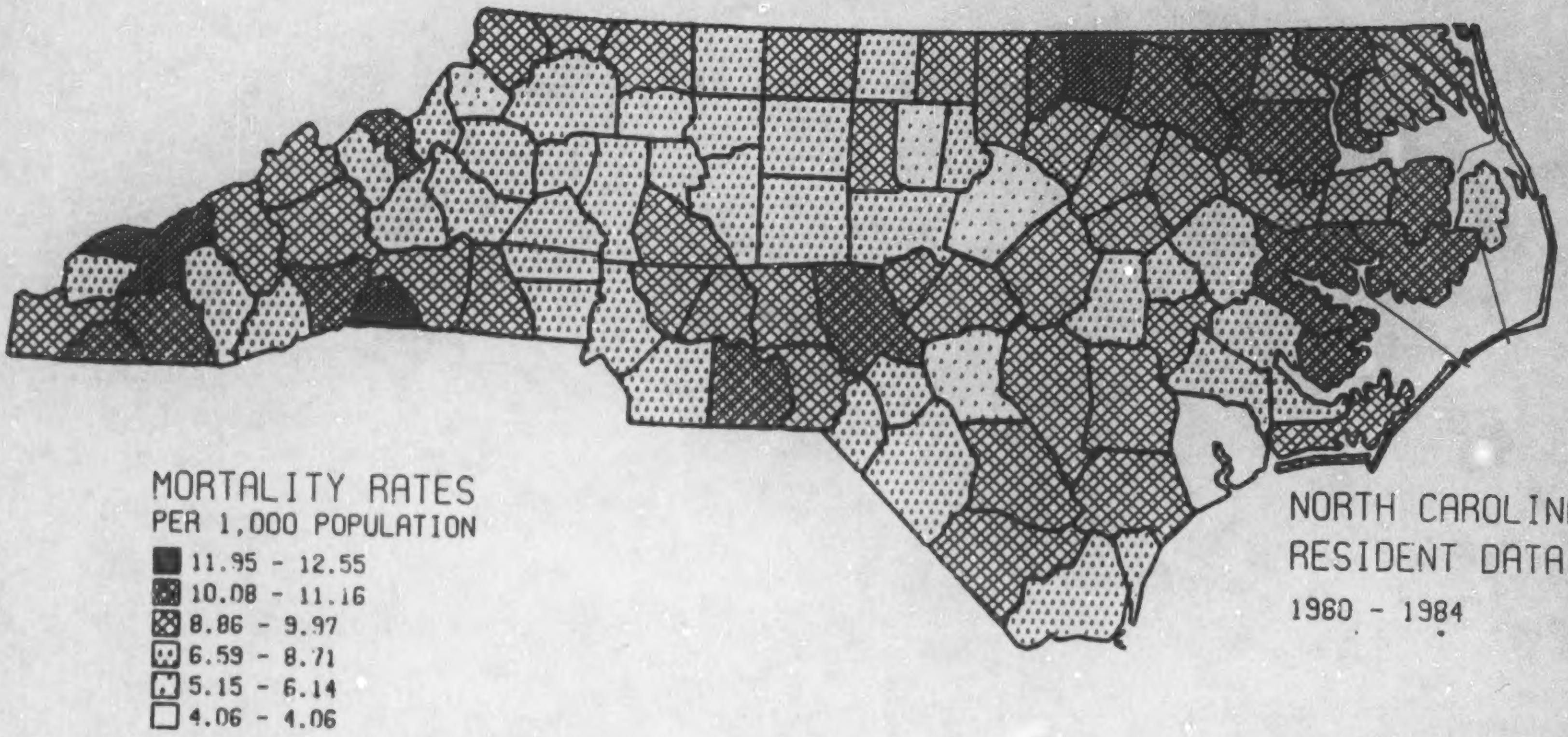
* SEE SECTION I

MORTALITY STATISTICS FOR 1984, NORTH CAROLINA RESIDENTS
TOTAL DEATHS (PER 1000 POPULATION) CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE* 1980-84
42 HALIFAX	593	10.64	2983	10.73	8.92
43 HARNETT	567	9.12	2736	8.95	9.40
44 HAYWOOD	483	10.20	2244	9.55	7.75
45 HENDERSON	609	9.37	3145	10.15	7.59
46 HERTFORD	231	9.70	1150	9.73	8.01
47 HOKE	143	6.35	713	6.59	7.62
48 HYDE	50	8.43	311	10.46	8.35
49 IREDELL	757	8.73	3658	8.64	8.06
50 JACKSON	206	7.57	977	7.33	7.12
51 JOHNSTON	685	9.13	3438	9.46	9.28
52 JONES	94	9.54	413	8.46	7.94
53 LEE	334	8.51	1727	9.13	9.24
54 LENOIR	568	9.35	2888	9.59	9.30
55 LINCOLN	309	6.97	1625	7.50	8.00
56 MCDOWELL	283	7.81	1407	7.83	7.15
57 MACON	225	9.88	1106	10.22	7.97
58 MADISON	173	10.08	824	9.60	7.07
59 MARTIN	271	10.12	1281	9.72	8.74
60 MECKLENBURG	3033	7.02	14781	7.06	7.93
61 MITCHELL	157	11.01	776	10.79	6.87
62 MONTGOMERY	243	10.22	1117	9.70	8.55
63 MOORE	560	10.35	2753	10.55	8.25
64 NASH	638	9.07	3246	9.42	9.24
65 NEW HANOVER	920	8.35	4537	8.46	8.68
66 NORTHAMPTON	230	10.35	1246	11.08	8.48
67 ONSLOW	517	4.30	2349	4.05	8.21
68 ORANGE	456	5.62	2267	5.75	7.46
69 PAMLICO	115	10.59	544	10.26	8.32
70 PASQUOTANK	259	8.93	1334	9.32	8.23
71 PENDER	237	9.97	1079	9.40	8.41
72 PERQUIMANS	91	9.15	461	9.53	6.67
73 PERSON	267	8.85	1318	8.87	8.07
74 PITT	747	7.82	3620	7.76	8.99
75 POLK	189	13.26	859	12.54	8.12
76 RANDOLPH	693	7.21	3433	7.31	7.93
77 RICHMOND	423	9.27	2214	9.72	8.90
78 ROBESON	901	8.53	4374	8.43	9.17
79 ROCKINGHAM	782	9.18	3868	9.13	8.60
80 ROWAN	991	9.75	4858	9.64	7.96
81 RUTHERFORD	553	9.82	2649	9.62	8.13
82 SAMPSON	516	10.24	2478	9.91	8.90
83 SCOTLAND	306	9.05	1390	8.40	9.31
84 STANLY	448	9.00	2185	8.94	8.14
85 STOKES	264	7.53	1263	7.36	7.81
86 SURRY	578	9.52	2764	9.19	8.16
87 SWAIN	150	14.04	643	12.23	9.51
88 TRANSYLVANIA	211	8.46	919	7.58	6.62
89 TYRRELL	52	12.50	224	10.85	8.97
90 UNION	509	6.66	2506	6.82	7.78
91 VANCE	404	10.71	1931	10.38	9.00
92 WAKE	2071	6.12	9756	6.14	7.88
93 WARREN	209	12.69	975	11.95	8.55
94 WASHINGTON	124	8.63	671	9.20	9.20
95 WATAUGA	199	5.83	980	5.91	5.93
96 WAYNE	799	8.11	4058	8.30	9.31
97 WILKES	477	7.88	2394	8.02	8.19
98 WILSON	592	9.19	3026	9.49	9.51
99 YADKIN	223	7.61	1192	8.20	7.49
100 YANCEY	135	8.77	650	8.57	6.40

* SEE SECTION I

GENERAL MORTALITY


MORTALITY RATES
PER 1,000 POPULATION
■ 11.95 - 12.55
▦ 10.08 - 11.16
▩ 8.86 - 9.97
▨ 6.59 - 8.71
▧ 5.15 - 6.14
□ 4.06 - 4.06

NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 2.A

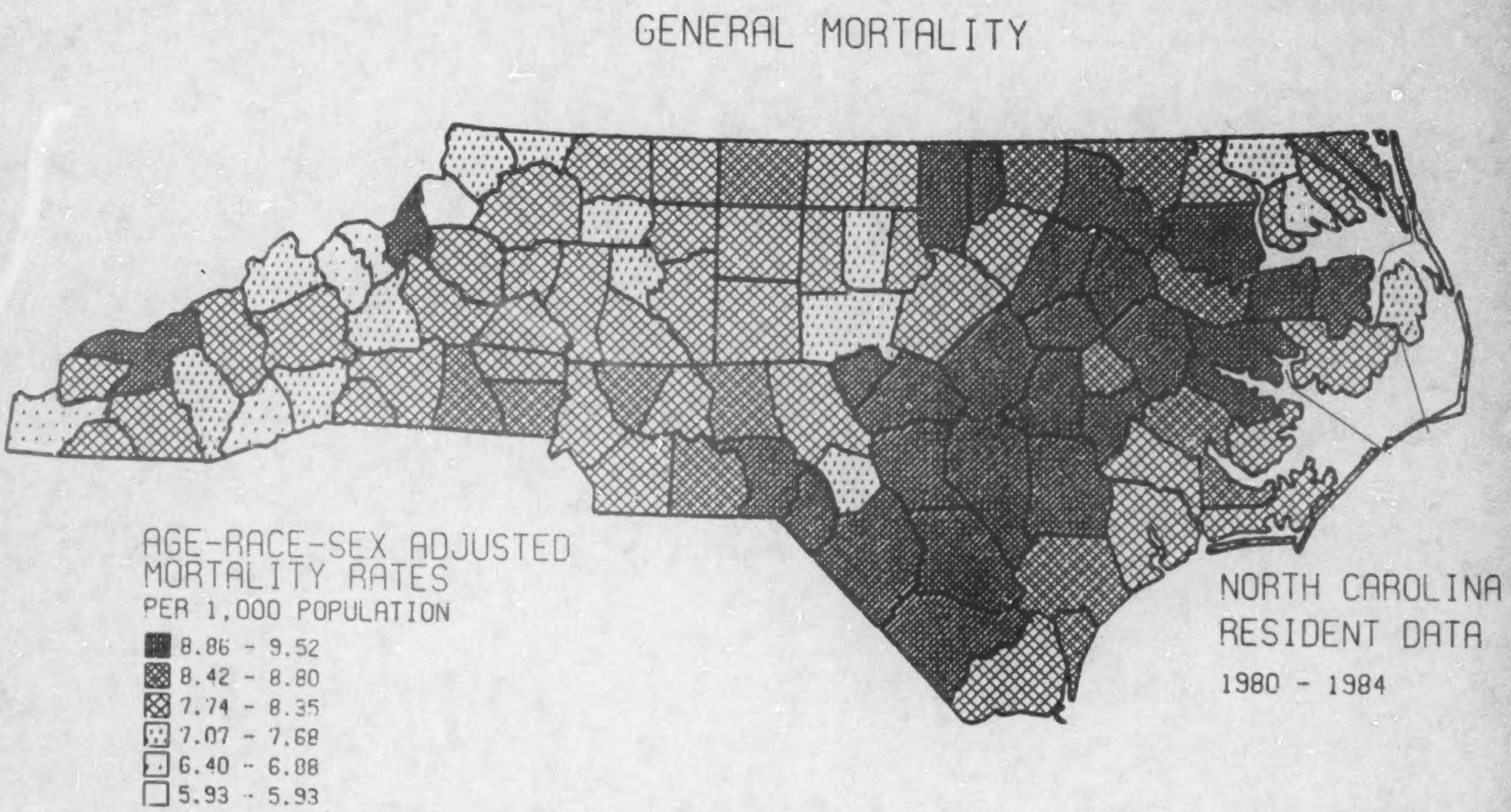

GENERAL MORTALITY
AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 1,000 POPULATION
8.86 - 9.52
8.42 - 8.80
7.74 - 8.35
7.07 - 7.68
6.40 - 6.88
5.93 - 5.93
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 2.B

TABLE 3

MORTALITY STATISTICS FOR 1984

NORTH CAROLINA RESIDENTS

DISEASES OF HEART

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
NORTH CAROLINA	18870	306.12	91382	303.31	303.31
REGIONS					
DHR I WESTERN	6687	317.13	32591	315.80	294.83
DHR II N. CENTRAL	4261	326.48	20174	314.16	299.02
DHR III S. CENTRAL	3796	263.97	18471	264.66	309.33
DHR IV EASTERN	4126	314.36	20146	314.41	326.42
HSA I WESTERN	3661	345.73	17702	340.39	291.10
HSA II PIEDMONT	3650	316.60	17250	303.97	295.24
HSA III S. PIEDMONT	3026	288.27	14889	290.82	297.80
HSA IV CAPITAL	2389	271.12	11736	277.09	301.19
HSA V CARDINAL	2737	291.69	13256	288.43	326.65
HSA VI EASTERN	3407	314.49	16549	312.14	327.58
COUNTIES					
1 ALAMANCE	355	350.71	1730	344.86	303.22
2 ALEXANDER	80	301.80	355	274.79	296.24
3 ALLEGHANY	37	374.91	164	335.26	259.99
4 ANSON	109	418.05	504	390.20	315.26
5 ASHE	99	425.29	467	408.32	301.46
6 AVERY	47	314.04	261	353.26	351.27
7 BEAUFORT	167	390.02	778	373.04	323.13
8 BERTIE	90	421.40	414	389.15	319.61
9 BLADEN	112	364.61	553	360.36	362.73
10 BRUNSWICK	135	310.85	634	321.94	307.09
11 BUNCOMBE	612	369.57	2992	366.06	282.85
12 BURKE	221	295.80	1074	291.31	299.41
13 CABARRUS	301	329.27	1526	342.93	309.39
14 CALDWELL	213	310.65	923	271.15	305.77
15 CAMDEN	20	342.75	103	356.37	315.62
16 CARTERET	140	297.11	799	361.66	336.23
17 CASWELL	59	270.86	330	309.62	297.58
18 CATAWBA	345	310.90	1598	295.58	307.87
19 CHATHAM	111	317.37	559	325.79	285.48
20 CHEROKEE	77	385.42	346	355.94	247.19
21 CHOWAN	46	355.62	219	344.77	249.90
22 CLAY	29	410.47	164	473.79	380.34*
23 CLEVELAND	294	348.48	1565	373.35	352.99
24 COLUMBUS	190	366.51	971	375.96	362.21
25 CRAVEN	174	226.54	849	230.52	306.00
26 CUMBERLAND	461	181.06	2053	163.41	332.52
27 CURRITUCK	48	372.75	219	367.01	350.22
28 DARE	44	268.75	225	300.88	262.02
29 DAVIDSON	372	318.38	1641	285.91	296.91
30 DAVIE	85	310.44	350	264.19	267.24
31 DUPLIN	167	400.41	766	371.73	340.80
32 DURHAM	456	284.39	2241	286.61	288.91
33 EDGECOMBE	201	348.11	942	332.02	336.07
34 FORSYTH	819	321.32	3923	314.44	304.50
35 FRANKLIN	139	437.93	620	401.52	326.49
36 GASTON	519	308.89	2702	326.34	340.80
37 GATES	35	381.09	185	408.16	294.44
38 GRAHAM	30	421.22	110	308.87	299.00
39 GRANVILLE	147	405.69	669	380.15	358.83
40 GREENE	60	364.12	252	309.85	348.64
41 GUILFORD	985	303.54	4612	287.75	286.35

* SEE SECTION I

MORTALITY STATISTICS FOR 1984, NORTH CAROLINA RESIDENTS
DISEASES OF HEART CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
42 HALIFAX	241	432.65	1118	402.46	341.73
43 HARNETT	219	352.48	1085	355.22	376.10
44 HAYWOOD	215	454.19	937	398.90	309.78
45 HENDERSON	222	341.85	1190	384.21	246.03
46 HERTFORD	89	373.82	443	374.95	314.00
47 HOKE	49	217.74	227	209.84	259.60
48 HYDE	21	354.07	114	383.70	302.23
49 IREDELL	278	320.96	1354	320.08	290.65
50 JACKSON	88	323.66	389	291.86	271.33
51 JOHNSTON	274	365.27	1384	381.00	371.12
52 JONES	36	365.40	142	290.94	267.72
53 LEE	123	313.42	627	331.48	334.67
54 LENOIR	222	365.56	1059	351.84	346.46
55 LINCOLN	112	252.71	626	289.00	297.84
56 MCDOWELL	123	339.60	593	330.22	288.86
57 MACON	84	368.92	429	396.52	330.96
58 MADISON	62	361.32	304	354.28	229.68
59 MARTIN	99	369.74	478	363.04	328.31
60 MECKLENBURG	1056	244.61	5067	242.23	279.03
61 MITCHELL	48	336.77	271	377.14	217.64
62 MONTGOMERY	82	345.11	430	373.57	321.21
63 MOORE	213	393.98	1002	384.16	288.70
64 NASH	234	332.74	1181	342.81	342.24
65 NEW HANOVER	320	290.54	1623	302.91	313.03
66 NORTHAMPTON	84	378.17	457	406.44	310.66
67 ONSLOW	158	131.50	716	123.73	296.93
68 ORANGE	144	177.58	728	184.66	245.38
69 PAMLICO	42	386.77	204	385.04	299.28
70 PASQUOTANK	94	324.21	504	352.35	309.50
71 PENDER	74	311.53	369	321.66	289.31
72 PERQUIMANS	36	362.35	161	333.02	227.29
73 PERSON	115	381.46	562	378.40	343.38
74 PITT	279	292.26	1295	277.87	340.67
75 POLK	67	470.27	332	485.01	276.51
76 RANDOLPH	259	269.60	1263	269.18	281.70
77 RICHMOND	143	313.41	836	367.04	335.32
78 ROBESON	331	313.71	1518	292.61	326.05
79 ROCKINGHAM	286	335.76	1425	336.64	313.82
80 ROWAN	367	361.35	1791	355.53	279.78
81 RUTHERFORD	210	373.24	1055	383.15	308.93
82 SAMPSON	187	371.37	948	379.40	338.23
83 SCOTLAND	112	331.40	503	304.22	354.83
84 STANLY	187	375.99	889	364.13	320.52
85 STOKES	102	291.00	456	265.76	284.31
86 SURRY	247	407.21	1088	362.03	306.77
87 SWAIN	62	580.36	245	466.21	334.49
88 TRANSYLVANIA	75	300.92	332	273.97	240.06
89 TYRRELL	21	505.17	93	450.55	384.60
90 UNION	206	269.88	934	254.29	291.45
91 VANCE	146	387.32	739	397.26	351.00
92 WAKE	670	198.11	3273	206.00	275.44
93 WARREN	64	388.65	334	409.44	307.01
94 WASHINGTON	44	306.25	261	358.17	375.79
95 WATAUGA	87	255.29	388	234.36	240.00
96 WAYNE	313	317.83	1564	319.92	377.22
97 WILKES	188	310.93	1007	337.71	336.09
98 WILSON	202	313.78	1008	316.24	328.64
99 YADKIN	81	276.58	432	297.30	245.22
100 YANCEY	46	298.85	211	278.23	186.09

* SEE SECTION I

DISEASES OF THE HEART

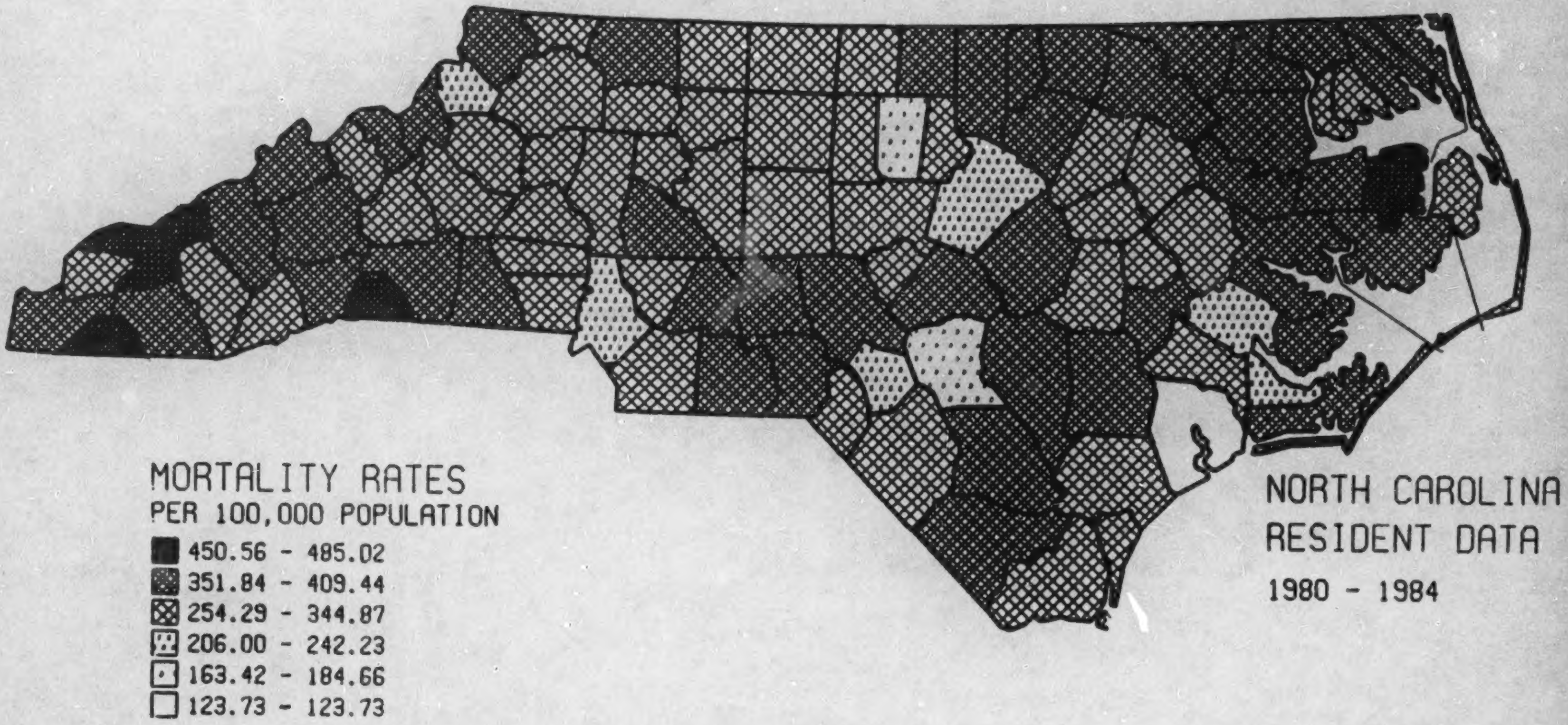

MORTALITY RATES
PER 100,000 POPULATION
▇ 450.56 - 485.02
▩ 351.84 - 409.44
⊠ 254.29 - 344.87
⁙ 206.00 - 242.23
⊡ 163.42 - 184.66
☐ 123.73 - 123.73
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 3.A

DISEASES OF THE HEART

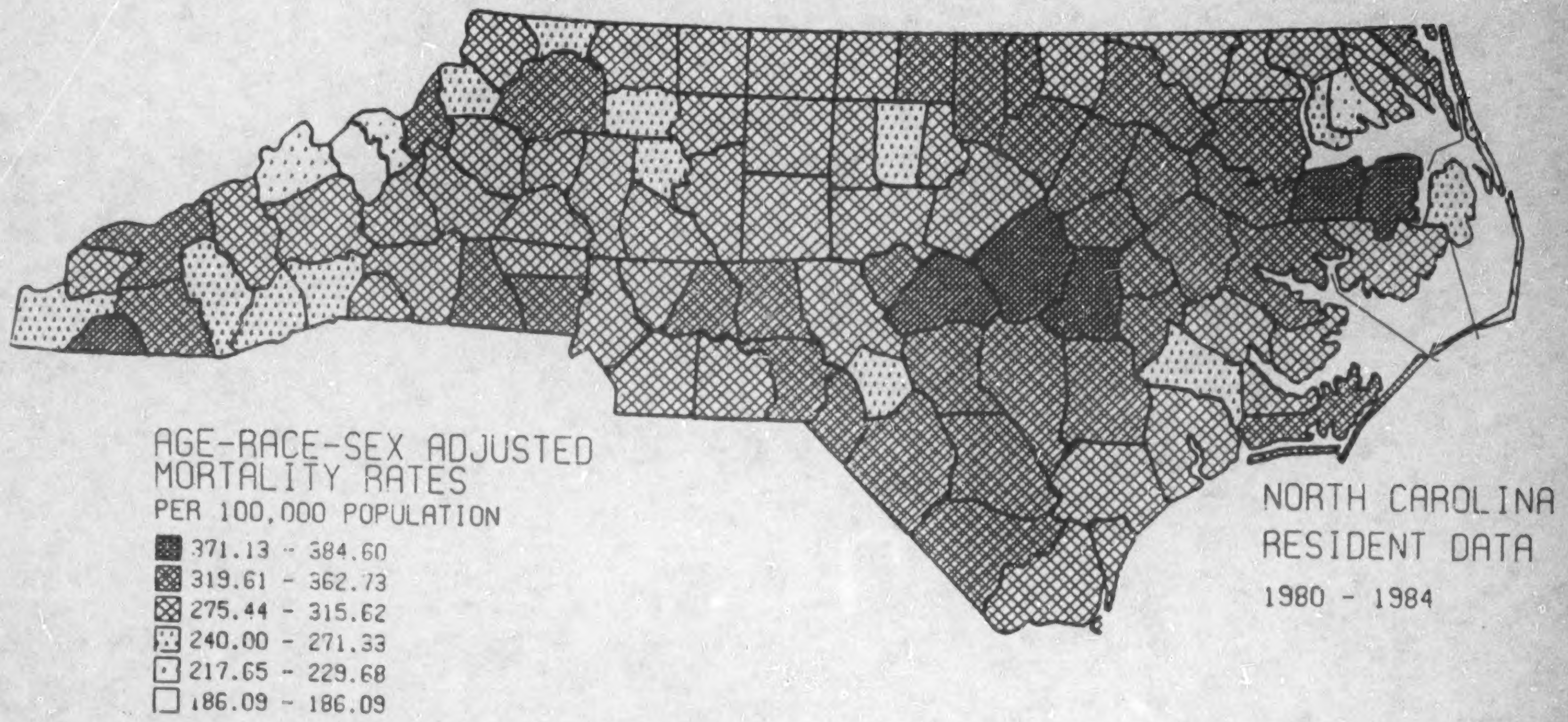

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
371.13 - 384.60
319.61 - 362.73
275.44 - 315.62
240.00 - 271.33
217.65 - 229.68
186.09 - 186.09
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 3.B

TABLE 4

MORTALITY STATISTICS FOR 1984

NORTH CAROLINA RESIDENTS

ACUTE MYOCARDIAL INFARCTION

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
NORTH CAROLINA	8057	130.70	40259	133.62	133.62
REGIONS					
DHR I WESTERN	2952	139.99	14790	143.31	130.50
DHR II N. CENTRAL	1832	140.37	9089	141.54	134.31
DHR III S. CENTRAL	1552	107.92	7863	112.66	133.39
DHR IV EASTERN	1721	131.12	8517	132.92	140.52
HSA I WESTERN	1656	156.38	7944	152.75	128.79
HSA II PIEDMONT	1601	138.87	7794	137.34	13[illegible].46
HSA III S. PIEDMONT	1296	123.46	6846	133.72	134.19
HSA IV CAPITAL	879	99.75	4635	109.43	120.99
HSA V CARDINAL	1203	128.21	6163	134.09	153.07
HSA VI EASTERN	1422	131.26	6877	129.71	139.28
COUNTIES					
1 ALAMANCE	150	148.18	772	153.89	132.82
2 ALEXANDER	45	169.76	173	133.91	146.82
3 ALLEGHANY	19	192.52	86	175.81	115.80
4 ANSON	57	218.61	272	210.58	173.33
5 ASHE	41	176.13	200	174.86	145.14
6 AVERY	27	180.40	148	200.31	227.51
7 BEAUFORT	63	147.13	297	142.40	125.97
8 BERTIE	57	266.89	222	208.67	178.75
9 BLADEN	58	188.82	293	190.93	194.02
10 BRUNSWICK	55	126.64	282	143.20	132.38
11 BUNCOMBE	236	142.51	1173	143.51	113.00
12 BURKE	113	151.24	551	149.45	145.81
13 CABARRUS	166	181.59	855	192.14	171.83
14 CALDWELL	100	145.84	430	126.32	133.27
15 CAMDEN	8	137.10	33	114.17	102.51
16 CARTERET	58	123.08	345	156.16	139.92
17 CASWELL	27	123.95	138	129.47	135.46
18 CATAWBA	169	152.29	852	157.59	158.66
19 CHATHAM	54	154.40	247	143.95	130.80
20 CHEROKEE	32	160.17	173	177.97	119.90
21 CHOWAN	23	177.81	97	152.71	114.90
22 CLAY	14	198.15	96	277.34	265.98*
23 CLEVELAND	137	162.38	708	168.90	159.89
24 COLUMBUS	65	125.38	434	168.03	167.07
25 CRAVEN	66	85.92	329	89.33	117.17
26 CUMBERLAND	205	80.51	901	71.71	144.56
27 CURRITUCK	17	132.01	82	137.42	122.96
28 DARE	16	97.72	99	132.39	102.26
29 DAVIDSON	167	142.92	734	127.88	126.50
30 DAVIE	50	182.61	182	137.38	137.10
31 DUPLIN	80	191.81	392	190.23	178.48
32 DURHAM	162	101.03	859	109.86	115.64
33 EDGECOMBE	83	143.75	395	139.22	147.85
34 FORSYTH	339	133.00	1690	135.45	132.86
35 FRANKLIN	46	144.92	328	212.41	174.95
36 GASTON	243	144.62	1358	164.01	166.73
37 GATES	19	206.88	76	167.67	126.06
38 GRAHAM	15	210.61	53	148.82	137.38
39 GRANVILLE	60	165.59	271	153.99	148.48
40 GREENE	22	133.51	90	110.66	128.44
41 GUILFORD	388	119.57	1942	121.16	120.78

* SEE SECTION I

MORTALITY STATISTICS FOR 1984, NORTH CAROLINA RESIDENTS
ACUTE MYOCARDIAL INFARCTION CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
42 HALIFAX	108	193.88	486	174.95	163.81
43 HARNETT	74	119.10	405	132.59	140.11
44 HAYWOOD	109	230.26	460	195.83	147.05
45 HENDERSON	94	144.75	474	153.03	86.47
46 HERTFORD	38	159.61	206	174.36	145.36
47 HOKE	20	88.87	104	96.14	124.96
48 HYDE	11	185.46	61	205.31	167.61
49 IREDELL	128	147.78	677	160.04	142.29
50 JACKSON	46	169.18	181	135.80	129.21
51 JOHNSTON	91	121.31	434	119.47	113.35
52 JONES	13	131.95	58	118.83	110.39
53 LEE	47	119.76	276	145.91	148.21
54 LENOIR	82	135.02	484	160.80	160.67
55 LINCOLN	56	126.35	343	158.35	157.93
56 MCDOWELL	55	151.85	266	148.12	129.57
57 MACON	34	149.32	202	186.70	129.96
58 MADISON	31	180.66	119	138.68	84.93
59 MARTIN	34	126.98	157	119.24	115.26
60 MECKLENBURG	321	74.35	1657	79.21	92.33
61 MITCHELL	22	154.35	120	167.00	98.66
62 MONTGOMERY	46	193.60	244	211.98	183.12
63 MOORE	98	181.26	475	182.11	138.91
64 NASH	94	133.66	521	151.23	151.58
65 NEW HANOVER	142	128.92	735	137.17	141.04
66 NORTHAMPTON	33	148.56	199	176.98	150.17
67 ONSLOW	70	58.26	292	50.46	118.06
68 ORANGE	54	66.59	278	70.51	94.26
69 PAMLICO	12	110.50	73	137.78	110.13
70 PASQUOTANK	40	137.96	205	143.31	128.81
71 PENDER	37	155.76	189	164.75	147.86
72 PERQUIMANS	12	120.78	66	136.51	99.54
73 PERSON	37	122.73	206	138.70	127.49
74 PITT	115	120.46	481	103.21	136.24
75 POLK	23	161.43	125	182.61	109.76
76 RANDOLPH	135	140.52	657	140.02	142.18
77 RICHMOND	69	151.22	448	196.69	178.92
78 ROBESON	148	140.27	703	135.51	157.19
79 ROCKINGHAM	117	137.35	671	158.51	145.74
80 ROWAN	170	167.38	909	180.44	141.10
81 RUTHERFORD	82	145.74	428	155.44	124.46
82 SAMPSON	74	146.95	430	172.09	157.75
83 SCOTLAND	55	162.74	248	149.99	174.39
84 STANLY	103	207.09	507	207.66	181.40
85 STOKES	52	148.35	236	137.54	150.05
86 SURRY	130	214.32	556	185.01	145.68
87 SWAIN	28	262.09	107	203.61	153.10
88 TRANSYLVANIA	35	140.43	148	122.13	103.61
89 TYRRELL	12	288.66	43	208.32	174.22
90 UNION	109	142.80	540	147.02	168.07
91 VANCE	60	159.17	331	177.93	156.82
92 WAKE	240	70.96	1246	78.42	104.75
93 WARREN	28	170.03	159	194.91	166.02
94 WASHINGTON	15	104.40	71	97.43	102.38
95 WATAUGA	38	111.50	194	117.18	125.27
96 WAYNE	134	136.06	606	123.95	150.21
97 WILKES	89	147.19	380	127.43	126.69
98 WILSON	87	135.14	411	128.94	139.17
99 YADKIN	46	157.07	216	148.65	116.55
100 YANCEY	22	142.93	97	127.90	76.20

* SEE SECTION I

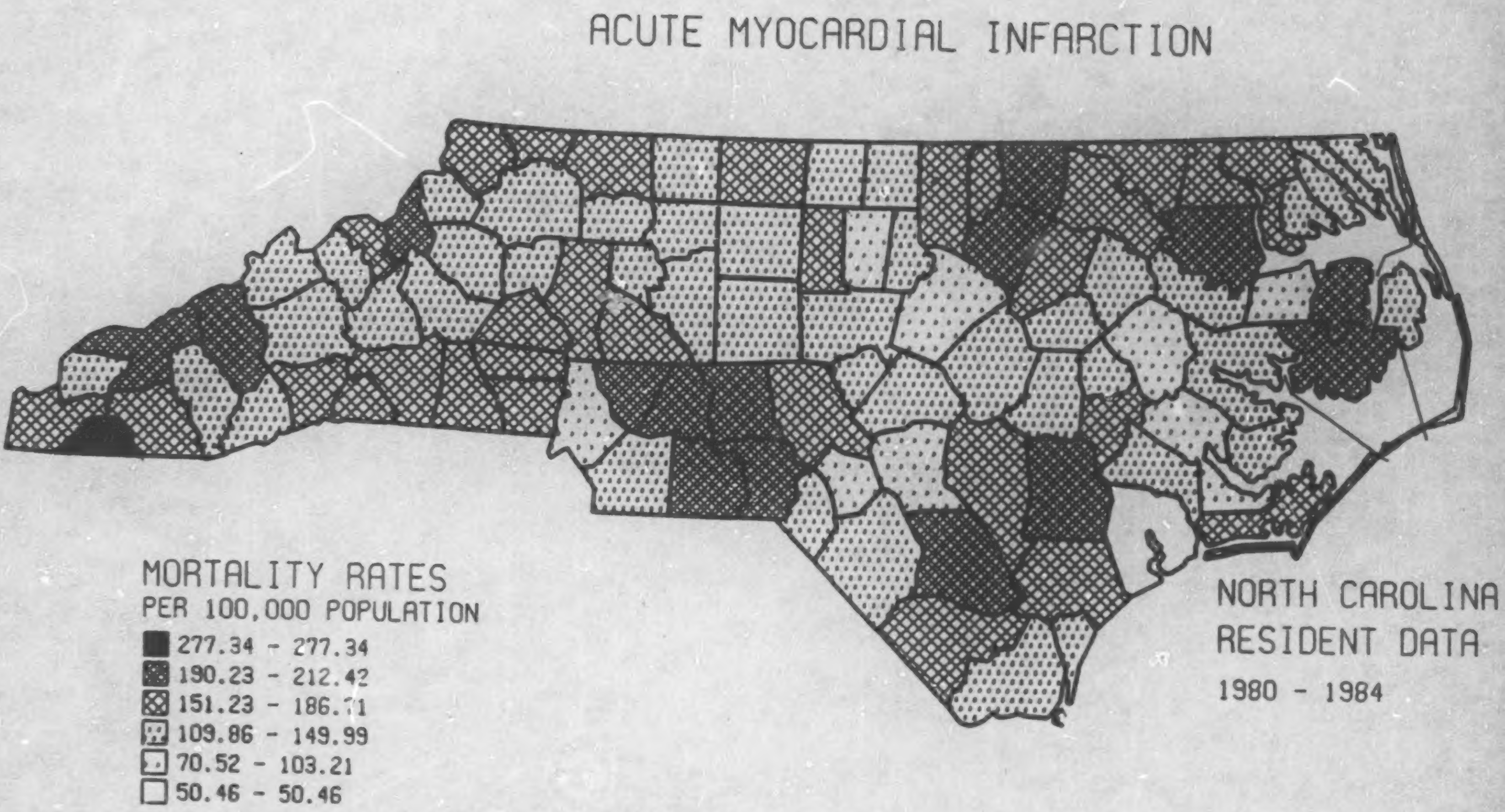

ACUTE MYOCARDIAL INFARCTION
MORTALITY RATES
PER 100,000 POPULATION
■ 277.34 - 277.34
▩ 190.23 - 212.42
▨ 151.23 - 186.71
▦ 109.86 - 149.99
⚀ 70.52 - 103.21
☐ 50.46 - 50.46
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 4.A

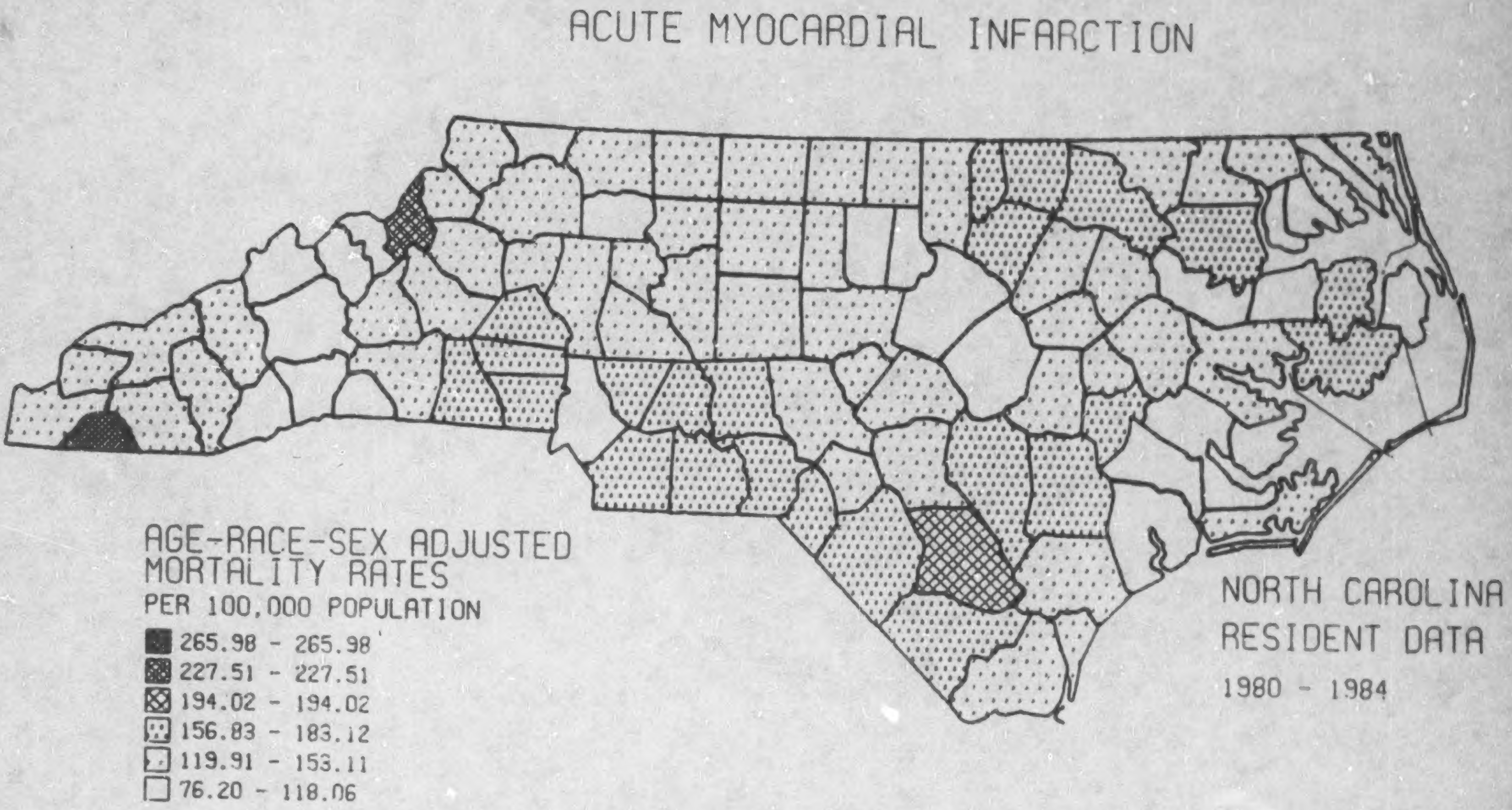

ACUTE MYOCARDIAL INFARCTION
AGE-RACE-SEX ADJUSTED MORTALITY RATES
PER 100,000 POPULATION
■ 265.98 - 265.98
▩ 227.51 - 227.51
▨ 194.02 - 194.02
▦ 156.83 - 183.12
⬚ 119.91 - 153.11
☐ 76.20 - 118.06
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 4.B

TABLE 5

MORTALITY STATISTICS FOR 1984

NORTH CAROLINA RESIDENTS

OTHER FORMS OF ISCHEMIC HEART DISEASE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
NORTH CAROLINA	5010	81.27	24469	81.21	81.21
REGIONS					
DHR I WESTERN	1796	85.17	8599	83.32	77.08
DHR II N. CENTRAL	1183	90.64	5380	83.78	79.49
DHR III S. CENTRAL	1017	70.72	5190	74.36	88.91
DHR IV EASTERN	1014	77.25	5300	82.71	86.82
HSA I WESTERN	920	86.88	4613	88.70	72.59
HSA II PIEDMONT	1060	91.94	4883	86.04	83.46
HSA III S. PIEDMONT	876	83.45	3986	77.85	79.99
HSA IV CAPITAL	622	70.59	3178	75.03	82.60
HSA V CARDINAL	692	73.75	3386	73.67	85.99
HSA VI EASTERN	840	77.53	4423	83.42	88.63
COUNTIES					
1 ALAMANCE	119	117.56	606	120.80	107.95
2 ALEXANDER	18	67.90	88	68.11	71.91
3 ALLEGHANY	9	91.19	33	67.46	35.96
4 ANSON	24	92.04	110	85.16	70.17
5 ASHE	31	133.17	120	104.92	59.55
6 AVERY	7	46.77	48	64.96	53.40
7 BEAUFORT	49	114.43	203	97.33	86.90
8 BERTIE	6	28.09	52	48.87	48.28
9 BLADEN	23	74.87	110	71.68	73.76
10 BRUNSWICK	33	75.98	170	86.32	83.22
11 BUNCOMBE	193	116.54	969	118.55	83.95
12 BURKE	56	74.95	285	77.30	83.60
13 CABARRUS	52	56.88	269	60.45	54.34
14 CALDWELL	57	83.13	262	76.96	88.67
15 CAMDEN	5	85.68	37	128.01	110.80
16 CARTERET	22	46.68	136	61.55	57.12
17 CASWELL	18	82.63	98	91.94	90.04
18 CATAWBA	71	63.98	327	60.48	65.19
19 CHATHAM	31	88.63	151	88.00	75.00
20 CHEROKEE	14	70.07	62	63.78	43.44
21 CHOWAN	6	46.38	55	86.58	63.80
22 CLAY	7	99.07	21	60.66	36.38
23 CLEVELAND	41	48.59	235	56.06	51.52
24 COLUMBUS	52	100.31	268	103.76	95.29
25 CRAVEN	48	62.49	218	59.19	81.78
26 CUMBERLAND	105	41.23	513	40.83	92.88
27 CURRITUCK	16	124.25	75	125.68	122.48
28 DARE	8	48.86	48	64.18	64.04
29 DAVIDSON	80	68.46	437	76.13	77.82
30 DAVIE	15	54.78	97	73.21	68.98
31 DUPLIN	35	83.91	175	84.92	78.82
32 DURHAM	119	74.21	645	82.49	83.95
33 EDGECOMBE	55	95.25	271	95.51	98.38
34 FORSYTH	234	91.80	1077	86.32	83.27
35 FRANKLIN	31	97.66	103	66.70	56.91
36 GASTON	138	82.13	670	80.92	85.11
37 GATES	9	97.99	45	99.28	77.02
38 GRAHAM	8	112.32	21	58.96	38.62
39 GRANVILLE	40	110.39	137	77.84	73.74
40 GREENE	25	151.71	90	110.66	129.33
41 GUILFORD	324	99.84	1415	88.28	88.03

* SEE SECTION I

MORTALITY STATISTICS FOR 1984, NORTH CAROLINA RESIDENTS
OTHER FORMS OF ISCHEMIC HEART DISEASE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
42 HALIFAX	65	116.69	337	121.31	94.32
43 HARNETT	82	131.98	374	122.44	130.12
44 HAYWOOD	53	111.96	247	105.15	73.83
45 HENDERSON	72	110.87	416	134.31	85.60
46 HERTFORD	19	79.80	82	69.40	64.45
47 HOKE	8	35.55	46	42.52	56.54
48 HYDE	2	33.72	17	57.21	40.98
49 IREDELL	82	94.67	382	90.30	81.98
50 JACKSON	15	55.16	90	67.52	58.87
51 JOHNSTON	90	119.98	527	145.08	140.80
52 JONES	10	101.50	47	96.29	90.99
53 LEE	32	81.54	164	86.70	86.60
54 LENOIR	58	95.50	269	89.37	93.42
55 LINCOLN	26	58.66	123	56.78	54.28
56 MCDOWELL	41	113.20	197	109.70	96.87
57 MACON	25	109.79	106	97.97	78.97
58 MADISON	14	81.58	78	90.90	64.39
59 MARTIN	22	82.16	123	93.41	86.20
60 MECKLENBURG	386	89.41	1751	83.70	96.26
61 MITCHELL	8	56.12	51	70.97	40.70
62 MONTGOMERY	14	58.92	93	80.79	67.69
63 MOORE	48	88.78	256	98.15	72.19
64 NASH	51	72.52	290	84.17	87.62
65 NEW HANOVER	76	69.00	354	66.07	69.54
66 NORTHAMPTON	22	99.04	128	113.83	83.27
67 ONSLOW	38	31.62	235	40.61	97.91
68 ORANGE	37	45.62	196	49.71	66.09
69 PAMLICO	11	101.29	64	120.79	91.95
70 PASQUOTANK	19	65.53	144	100.67	92.11
71 PENDER	13	54.72	85	74.09	73.32
72 PERQUIMANS	8	80.52	37	76.53	50.08
73 PERSON	17	56.39	68	45.78	43.62
74 PITT	70	73.32	364	78.10	94.88
75 POLK	27	189.51	112	163.62	87.78
76 RANDOLPH	79	82.23	341	72.67	74.98
77 RICHMOND	36	78.90	226	99.22	91.82
78 ROBESON	93	88.14	450	86.74	104.19
79 ROCKINGHAM	84	98.61	350	82.68	76.87
80 ROWAN	102	100.43	424	84.17	65.12
81 RUTHERFORD	58	103.08	270	98.05	77.19
82 SAMPSON	63	125.11	247	98.85	88.80
83 SCOTLAND	22	65.09	84	50.80	66.04
84 STANLY	52	104.55	212	86.83	73.76
85 STOKES	26	74.17	115	67.02	69.80
86 SURRY	62	102.21	248	82.52	68.98
87 SWAIN	8	74.88	36	68.50	46.93
88 TRANSYLVANIA	20	80.24	65	53.63	40.76
89 TYRRELL	5	120.27	22	106.58	108.33
90 UNION	38	49.78	155	42.20	47.77
91 VANCE	27	71.62	118	63.43	57.95
92 WAKE	190	56.18	998	62.81	86.18
93 WARREN	8	48.58	71	87.03	59.24
94 WASHINGTON	7	48.72	72	98.80	107.00
95 WATAUGA	16	46.95	66	39.86	42.09
96 WAYNE	98	99.51	497	101.66	116.33
97 WILKES	40	66.15	355	119.05	119.73
98 WILSON	51	79.22	290	90.98	95.74
99 YADKIN	19	64.87	99	68.13	56.89
100 YANCEY	11	71.46	53	69.88	40.34

* SEE SECTION I

OTHER ISCHEMIC HEART DISEASE

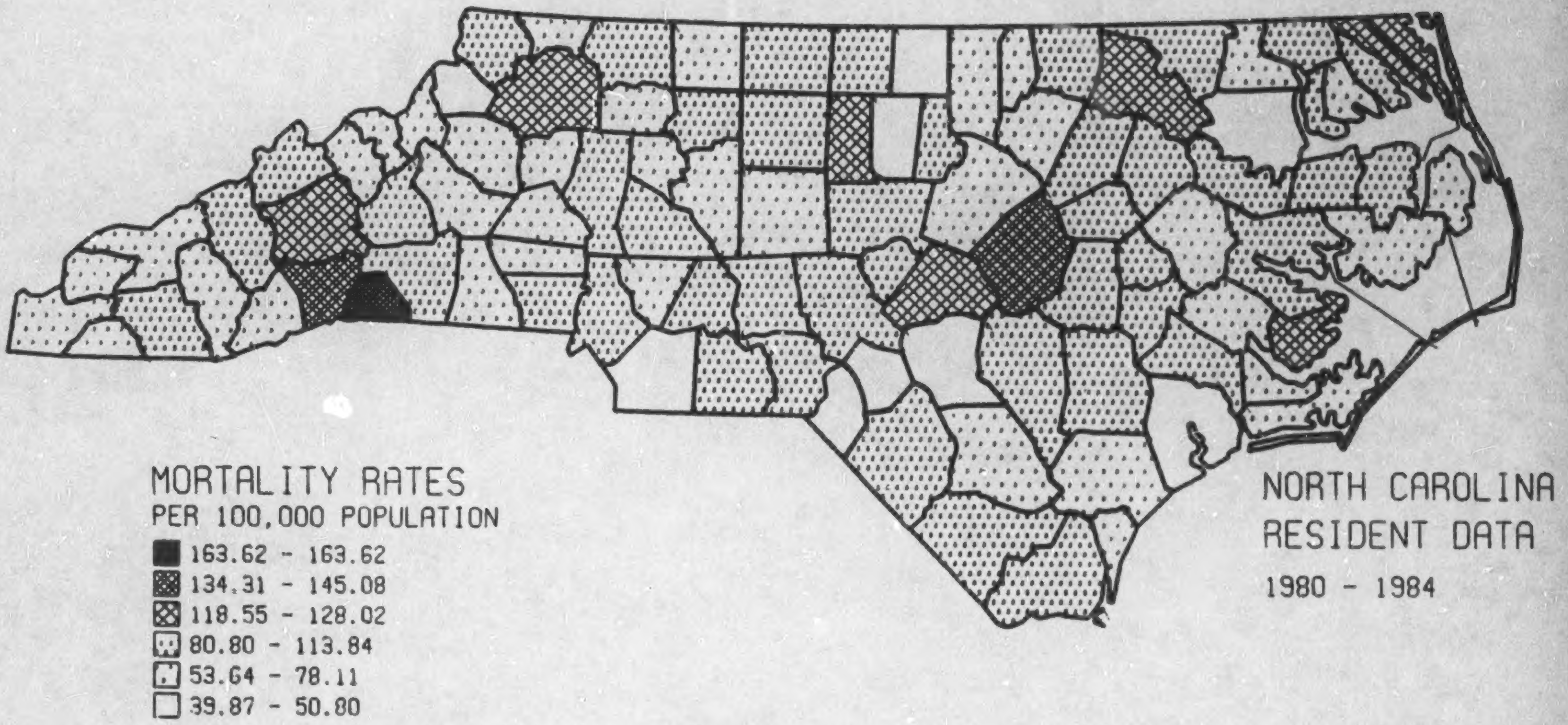

MORTALITY RATES
PER 100,000 POPULATION
■ 163.62 - 163.62
▩ 134.31 - 145.08
▨ 118.55 - 128.02
⊡ 80.80 - 113.84
⊡ 53.64 - 78.11
☐ 39.87 - 50.80
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 5.A

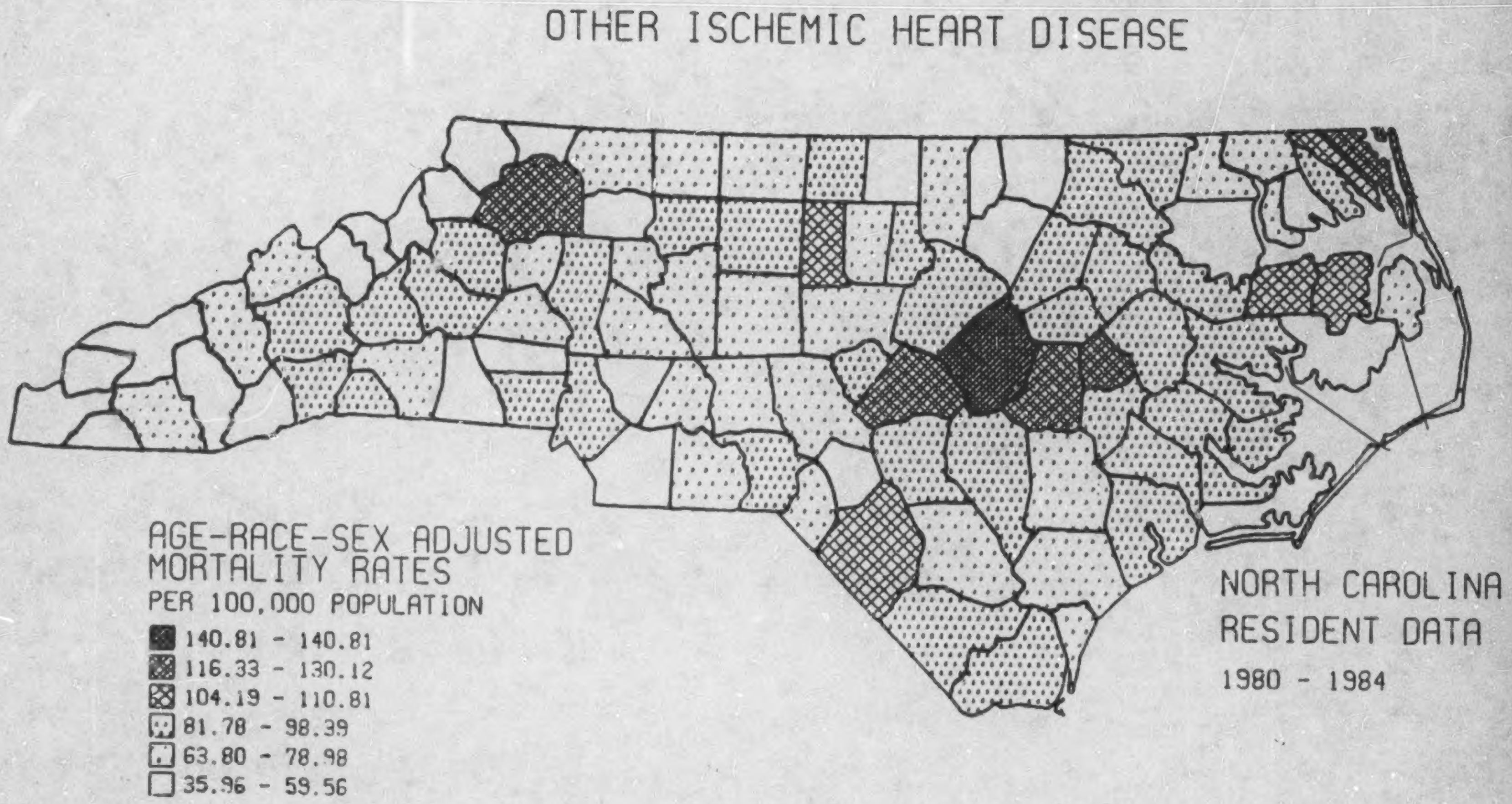

OTHER ISCHEMIC HEART DISEASE
AGE-RACE-SEX ADJUSTED MORTALITY RATES
PER 100,000 POPULATION
■ 140.81 - 140.81
▩ 116.33 - 130.12
▨ 104.19 - 110.81
⁙ 81.78 - 98.39
⁚ 63.80 - 78.98
□ 35.96 - 59.56
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 5.B

TABLE 6

MORTALITY STATISTICS FOR 1984

NORTH CAROLINA RESIDENTS

HYPERTENSION WITH OR WITHOUT RENAL DISEASE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE* 1980-84
NORTH CAROLINA	244	3.95	1220	4.04	4.04
REGIONS					
DHR I WESTERN	68	3.22	366	3.54	3.99
DHR II N. CENTRAL	59	4.52	272	4.23	4.12
DHR III S. CENTRAL	59	4.10	294	4.21	4.50
DHR IV EASTERN	58	4.41	288	4.49	3.95
HSA I WESTERN	39	3.68	166	3.19	3.43
HSA II PIEDMONT	46	3.99	223	3.92	4.05
HSA III S. PIEDMONT	29	2.76	200	3.90	4.37
HSA IV CAPITAL	37	4.19	167	3.94	3.94
HSA V CARDINAL	42	4.47	216	4.69	4.74
HSA VI EASTERN	51	4.70	248	4.67	4.09
COUNTIES					
1 ALAMANCE	4	3.95	19	3.78	3.43
2 ALEXANDER	0	0.00	6	4.64	6.09*
3 ALLEGHANY	0	[illegible].00	1	2.04	1.44
4 ANSON	0	0.00	15	11.61	8.21
5 ASHE	0	0.00	2	1.74	1.02
6 AVERY	1	6.68	2	2.70	2.00
7 BEAUFORT	2	4.67	14	6.71	5.11
8 BERTIE	1	4.68	7	6.57	5.01
9 BLADEN	1	3.25	5	3.25	2.51
10 BRUNSWICK	1	2.30	7	3.55	3.59
11 BUNCOMBE	8	4.83	[illegible]	4.40	4.12
12 BURKE	4	5.35	14	3.79	3.89
13 CABARRUS	2	2.18	16	3.59	3.52
14 CALDWELL	4	5.83	8	2.35	2.19
15 CAMDEN	0	0.00	1	3.45	5.02
16 CARTERET	2	4.24	7	3.16	3.98
17 CASWELL	0	0.00	4	3.75	2.09
18 CATAWBA	2	1.80	14	2.58	4.17
19 CHATHAM	1	2.85	8	4.66	3.66
20 CHEROKEE	1	5.00	4	4.11	2.30
21 CHOWAN	2	15.46	8	12.59	10.72
22 CLAY	1	14.15	1	2.88	1.26
23 CLEVELAND	1	1.18	9	2.14	2.03
24 COLUMBUS	1	1.92	12	4.64	3.22
25 CRAVEN	1	1.30	8	2.17	2.76
26 CUMBERLAND	11	4.32	57	4.53	8.69
27 CURRITUCK	0	0.00	1	1.67	1.58
28 DARE	0	0.00	2	2.67	2.26
29 DAVIDSON	3	2.56	18	3.13	3.57
30 DAVIE	1	3.65	4	3.01	3.38
31 DUPLIN	0	0.00	5	2.42	1.66
32 DURHAM	7	4.36	30	3.83	3.66
33 EDGECOMBE	3	5.19	14	4.93	3.22
34 FORSYTH	19	7.45	67	5.37	5.10
35 FRANKLIN	3	9.45	10	6.47	4.85
36 GASTON	2	1.19	23	2.77	3.33
37 GATES	1	10.88	1	2.20	0.85
38 GRAHAM	0	0.00	0	0.00	0.00
39 GRANVILLE	1	2.75	8	4.54	2.93
40 GREENE	0	0.00	8	9.83	6.63
41 GUILFORD	9	2.77	57	3.55	3.59

* SEE SECTION I

MORTALITY STATISTICS FOR 1984, NORTH CAROLINA RESIDENTS
HYPERTENSION WITH OR WITHOUT RENAL DISEASE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
42 HALIFAX	2	3.59	11	3.95	2.89
43 HARNETT	3	4.82	14	4.58	4.87
44 HAYWOOD	4	8.45	8	3.40	2.01
45 HENDERSON	5	7.69	20	6.45	9.89
46 HERTFORD	1	4.20	4	3.38	1.14
47 HOKE	0	0.00	7	6.47	4.86
48 HYDE	1	16.86	2	6.73	3.39
49 IREDELL	3	3.46	17	4.01	4.90
50 JACKSON	0	0.00	3	2.25	2.80
51 JOHNSTON	1	1.33	18	4.95	5.02
52 JONES	1	10.15	2	4.09	2.97
53 LEE	1	2.54	14	7.40	7.60
54 LENOIR	5	8.23	18	5.98	5.62
55 LINCOLN	0	0.00	5	2.30	3.81
56 MCDOWELL	1	2.76	6	3.34	3.69
57 MACON	0	0.00	10	9.24	3.98
58 MADISON	1	5.82	2	2.33	1.25
59 MARTIN	2	7.46	11	8.35	4.87
60 MECKLENBURG	16	3.70	96	4.58	5.09
61 MITCHELL	0	0.00	1	1.39	0.77
62 MONTGOMERY	4	16.83	11	9.55	8.29
63 MOORE	3	5.54	12	4.60	3.56
64 NASH	2	2.84	13	3.77	3.66
65 NEW HANOVER	3	2.72	14	2.61	2.85
66 NORTHAMPTON	0	0.00	3	2.66	0.97
67 ONSLOW	7	5.82	14	2.41	6.26
68 ORANGE	2	2.46	16	4.05	5.31
69 PAMLICO	0	0.00	0	0.00	0.00
70 PASQUOTANK	1	3.44	4	2.79	2.05
71 PENDER	2	8.41	7	6.10	4.08
72 PERQUIMANS	4	40.26	7	14.47	6.27
73 PERSON	1	3.31	5	3.36	2.97
74 PITT	3	3.14	24	5.14	4.96
75 POLK	0	0.00	5	7.30	7.05
76 RANDOLPH	1	1.04	10	2.13	3.00
77 RICHMOND	3	6.57	13	5.70	5.11
78 ROBESON	5	4.73	26	5.01	4.05
79 ROCKINGHAM	6	7.04	21	4.96	4.83
80 ROWAN	2	1.96	28	5.55	5.03
81 RUTHERFORD	5	8.88	7	2.54	2.44
82 SAMPSON	1	1.98	6	2.40	1.66
83 SCOTLAND	4	11.83	10	6.04	5.69
84 STANLY	1	2.01	2	0.81	0.66
85 STOKES	1	2.85	8	4.66	6.66
86 SURRY	2	3.29	13	4.32	3.83
87 SWAIN	0	0.00	0	0.00	0.00
88 TRANSYLVANIA	0	0.00	0	0.00	0.00
89 TYRRELL	0	0.00	0	0.00	0.00
90 UNION	3	3.93	13	3.53	4.57
91 VANCE	8	21.22	21	11.28	7.56
92 WAKE	12	3.54	32	2.01	2.56
93 WARREN	0	0.00	5	6.12	1.60
94 WASHINGTON	0	0.00	11	15.09	11.41
95 WATAUGA	1	2.93	3	1.81	1.55
96 WAYNE	8	8.12	35	7.15	6.00
97 WILKES	0	0.00	3	1.00	1.28
98 WILSON	2	3.10	13	4.07	3.59
99 YADKIN	0	0.00	2	1.37	0.96
100 YANCEY	0	0.00	1	1.31	0.74

* SEE SECTION I

TABLE 7

MORTALITY STATISTICS FOR 1984

NORTH CAROLINA RESIDENTS

CEREBROVASCULAR DISEASE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE* 1980-84
NORTH CAROLINA	4512	73.19	23126	76.75	76.75
REGIONS					
DHR I WESTERN	1490	70.66	7574	73.39	70.50
DHR II N. CENTRAL	1018	78.00	5194	80.88	76.87
DHR III S. CENTRAL	958	66.62	4871	69.79	80.06
DHR IV EASTERN	1046	79.69	5487	85.63	85.21
HSA I WESTERN	766	72.33	3840	73.84	65.01
HSA II PIEDMONT	887	76.94	4520	79.64	77.38
HSA III S. PIEDMONT	724	68.97	3734	72.93	76.34
HSA IV CAPITAL	561	63.66	2814	66.43	70.15
HSA V CARDINAL	714	76.09	3719	80.92	89.67
HSA VI EASTERN	860	79.38	4499	84.85	84.53
COUNTIES					
1 ALAMANCE	85	83.97	423	84.32	75.49
2 ALEXANDER	16	60.36	80	61.92	68.45
3 ALLEGHANY	6	60.79	51	104.26	87.99*
4 ANSON	18	69.03	141	109.16	80.41
5 ASHE	13	55.84	81	70.82	40.43
6 AVERY	6	40.09	32	43.31	47.57*
7 BEAUFORT	38	88.74	228	109.32	94.72
8 BERTIE	18	84.28	95	89.29	67.36
9 BLADEN	22	71.62	203	132.28	130.44
10 BRUNSWICK	27	62.17	125	63.47	62.55
11 BUNCOMBE	170	102.66	754	92.25	72.01
12 BURKE	35	46.84	209	56.68	63.10
13 CABARRUS	64	70.01	416	93.48	90.05
14 CALDWELL	27	39.37	168	49.35	52.79
15 CAMDEN	4	68.55	31	107.25	105.90
16 CARTERET	30	63.66	118	53.41	54.93
17 CASWELL	16	73.45	102	95.70	86.77
18 CATAWBA	73	65.78	366	67.70	77.37
19 CHATHAM	24	68.62	163	94.99	80.44
20 CHEROKEE	19	95.10	65	66.86	48.77
21 CHOWAN	11	85.04	76	119.64	82.39
22 CLAY	5	70.77	20	57.78	32.29
23 CLEVELAND	65	77.04	295	70.37	67.11
24 COLUMBUS	45	86.80	295	114.22	110.72
25 CRAVEN	45	58.58	225	61.09	81.86
26 CUMBERLAND	131	51.45	616	49.03	102.83
27 CURRITUCK	11	85.42	32	53.62	52.59
28 DARE	9	54.97	60	80.23	70.90
29 DAVIDSON	73	62.47	358	62.37	70.13
30 DAVIE	20	73.04	85	64.16	69.03
31 DUPLIN	40	95.90	227	110.16	97.20
32 DURHAM	110	68.60	539	68.93	66.06
33 EDGECOMBE	59	102.18	303	106.79	93.55
34 FORSYTH	158	61.98	931	74.62	70.67
35 FRANKLIN	21	66.16	128	82.89	62.65
36 GASTON	132	78.56	565	68.24	74.34
37 GATES	4	43.55	40	88.25	56.70
38 GRAHAM	3	42.12	23	64.58	68.42
39 GRANVILLE	19	52.43	151	85.80	76.81
40 GREENE	17	103.16	73	89.75	100.59
41 GUILFORD	267	82.28	1315	82.04	79.57

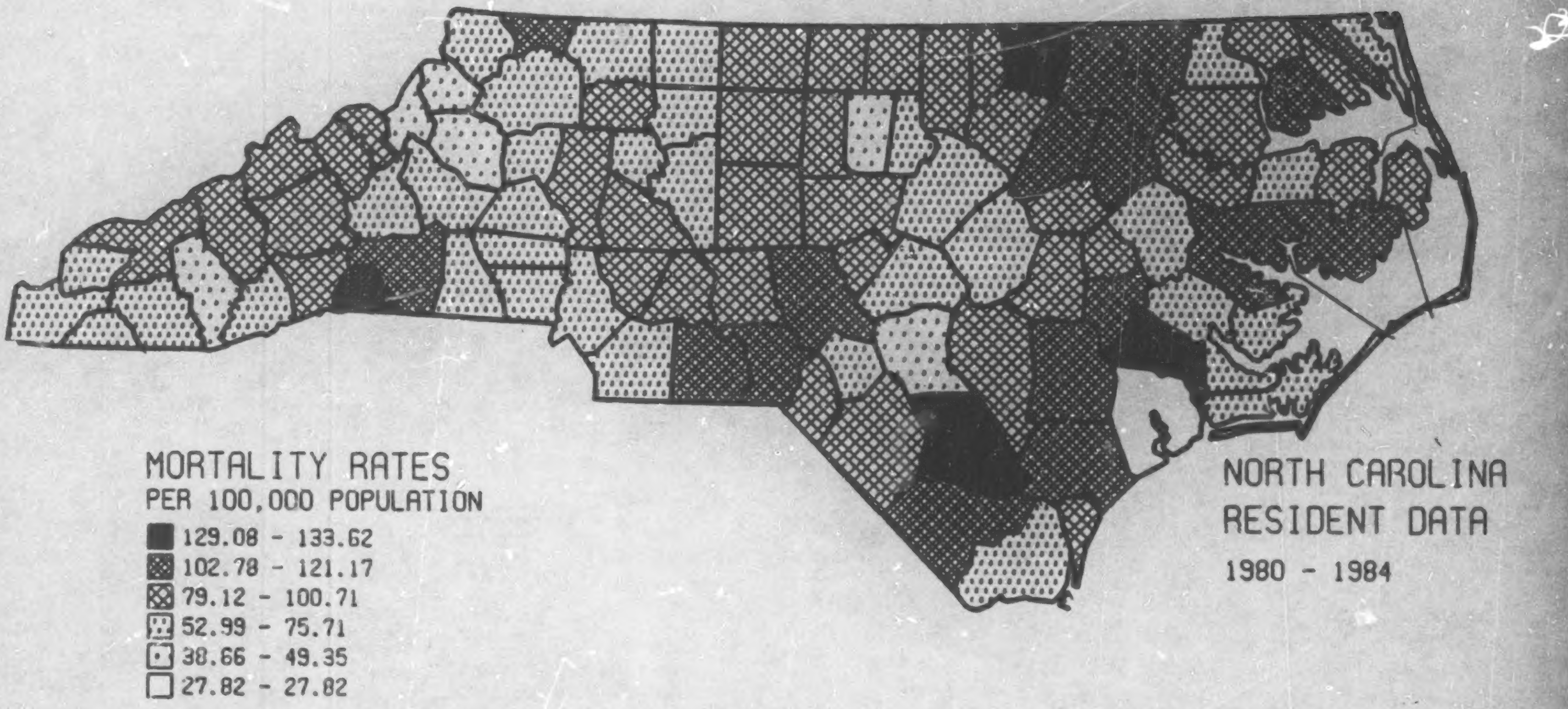
* SEE SECTION I

MORTALITY STATISTICS FOR 1984, NORTH CAROLINA RESIDENTS
CEREBROVASCULAR DISEASE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE* 1980-84
42 HALIFAX	63	113.09	330	118.79	90.35
43 HARNETT	42	67.60	217	71.04	76.52
44 HAYWOOD	33	[illegible]9.71	224	95.36	76.50
45 HENDERSON	55	[illegible]4.69	304	98.15	61.45
46 HERTFORD	15	63.00	84	71.09	51.10
47 HOKE	12	53.32	72	66.56	74.87
48 HYDE	4	67.44	36	121.17	79.20
49 IREDELL	72	83.12	394	93.14	86.92
50 JACKSON	14	51.49	62	46.51	38.54
51 JOHNSTON	47	62.65	258	71.02	70.81
52 JONES	14	142.10	63	129.08	105.00
53 LEE	23	58.60	158	83.53	85.09
54 LENOIR	64	105.38	351	116.61	110.41
55 LINCOLN	27	60.92	164	75.71	84.22
56 MCDOWELL	23	63.50	109	60.69	54.65
57 MACON	20	87.83	80	73.94	52.56
58 MADISON	14	81.58	69	80.41	66.87*
59 MARTIN	32	119.51	105	79.74	65.25
60 MECKLENBURG	268	62.08	1258	60.13	69.28
61 MITCHELL	10	70.16	70	97.41	55.59
62 MONTGOMERY	29	122.05	94	81.66	69.54
63 MOORE	55	101.73	304	116.55	87.01
64 NASH	68	96.69	372	107.98	103.44
65 NEW HANOVER	90	81.71	449	83.80	85.52
66 NORTHAMPTON	21	94.54	133	118.28	73.83
67 ONSLOW	34	28.29	161	27.82	70.29
68 ORANGE	47	57.96	180	45.65	59.76
69 PAMLICO	2	18.41	36	67.94	50.63
70 PASQUOTANK	21	72.43	120	83.89	67.61
71 PENDER	24	101.03	119	103.73	93.37
72 PERQUIMANS	7	70.45	57	117.90	72.30
73 PERSON	29	96.19	118	79.45	69.10
74 PITT	67	70.18	345	74.02	84.68
75 POLK	23	161.43	90	131.48	80.53
76 RANDOLPH	91	94.72	439	93.56	104.44
77 RICHMOND	47	103.00	246	108.00	96.26
78 ROBESON	99	93.83	493	95.03	100.64
79 ROCKINGHAM	88	103.31	418	98.74	93.41
80 ROWAN	88	86.64	480	95.28	76.06
81 RUTHERFORD	52	92.42	283	102.78	81.32
82 SAMPSON	47	93.33	202	80.84	68.47
83 SCOTLAND	26	76.93	143	86.48	100.34
84 STANLY	41	82.43	211	86.42	79.15
85 STOKES	25	71.32	114	66.44	66.90
86 SURRY	42	69.24	207	68.87	62.54
87 SWAIN	9	84.24	44	83.72	59.05
88 TRANSYLVANIA	19	76.23	77	63.54	54.36
89 TYRRELL	5	120.27	17	82.36	66.08
90 UNION	32	41.92	246	66.97	78.05
91 VANCE	32	84.89	168	90.31	66.04
92 WAKE	179	52.92	842	52.99	70.98
93 WARREN	30	182.18	109	133.62	73.99
94 WASHINGTON	9	62.64	55	75.47	82.66
95 WATAUGA	14	41.08	64	38.65	31.55
96 WAYNE	83	84.28	405	82.84	93.92
97 WILKES	33	54.57	160	53.65	58.13
98 WILSON	65	100.96	321	100.70	97.35
99 YADKIN	22	75.12	128	88.08	79.47*
100 YANCEY	9	58.47	60	79.11	66.41

* SEE SECTION I

CEREBROVASCULAR DISEASE


MORTALITY RATES
PER 100,000 POPULATION
■ 129.08 - 133.62
▩ 102.78 - 121.17
▨ 79.12 - 100.71
▦ 52.99 - 75.71
⊡ 38.66 - 49.35
☐ 27.82 - 27.82

NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 7.A

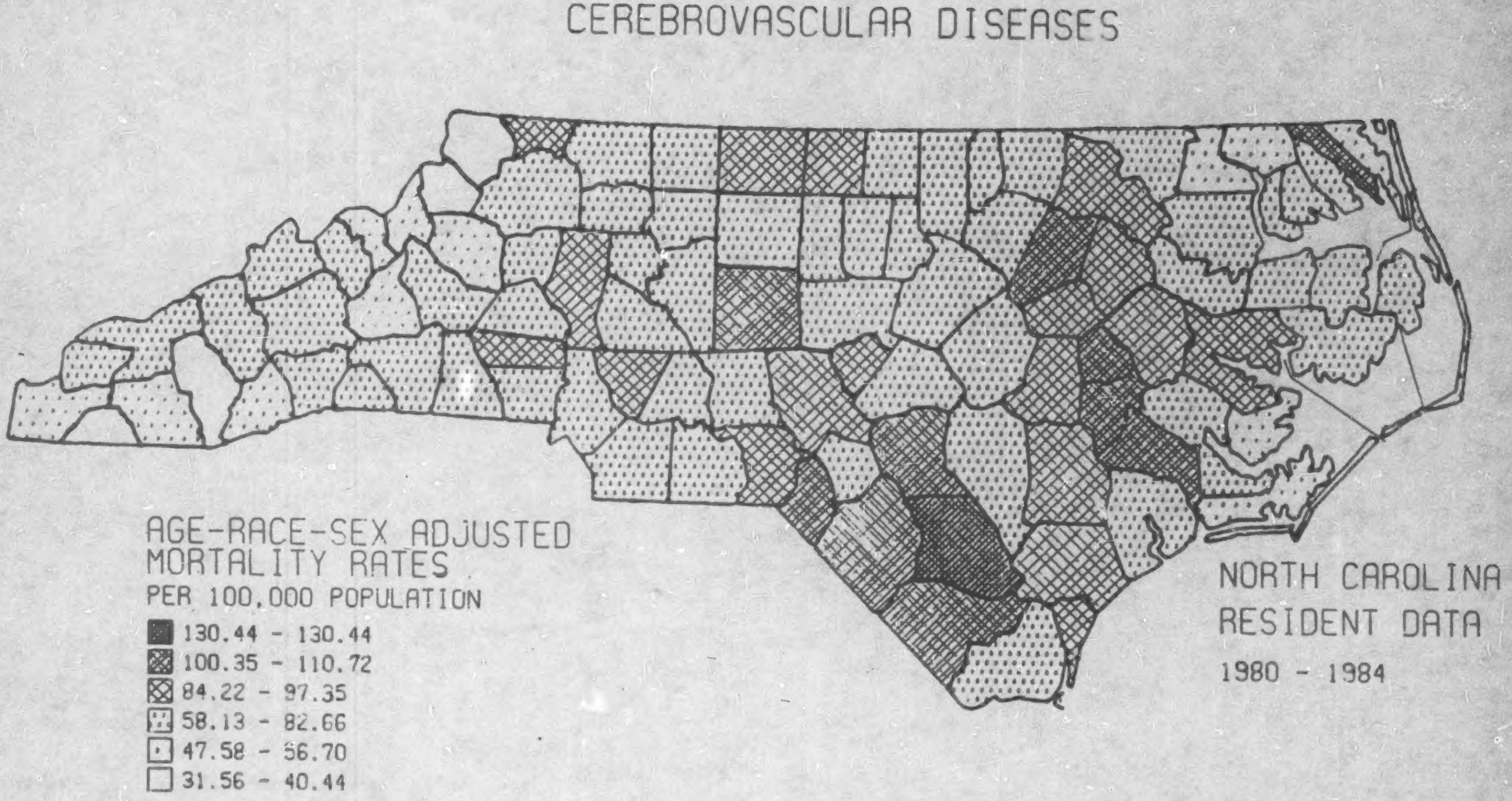

CEREBROVASCULAR DISEASES
AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
130.44 - 130.44
100.35 - 110.72
84.22 - 97.35
58.13 - 82.66
47.58 - 56.70
31.56 - 40.44
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 7.B

TABLE 8

MORTALITY STATISTICS FOR 1984

NORTH CAROLINA RESIDENTS

ATHEROSCLEROSIS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE* 1980-84
NORTH CAROLINA	836	8.69	2775	9.21	9.21
REGIONS					
DHR I WESTERN	175	8.29	950	9.20	8.38
DHR II N. CENTRAL	121	9.27	549	8.54	8.03
DHR III S. CENTRAL	127	8.83	671	9.61	11.23
DHR IV EASTERN	113	8.60	605	9.44	9.88
HSA I WESTERN	95	8.97	494	9.49	7.68
HSA II PIEDMONT	112	9.71	511	9.00	8.62
HSA III S. PIEDMONT	80	7.62	456	8.90	9.19
HSA IV CAPITAL	74	8.39	322	7.60	8.11
HSA V CARDINAL	81	8.63	523	11.37	13.17
HSA VI EASTERN	94	8.67	469	8.84	9.35
COUNTIES					
1 ALAMANCE	16	15.80	68	13.55	12.16
2 ALEXANDER	2	7.54	11	8.51	15.58*
3 ALLEGHANY	1	10.13	1	2.04	1.00
4 ANSON	1	3.83	15	11.61	6.82
5 ASHE	3	12.88	12	10.49	6.14
6 AVERY	2	13.36	3	4.06	3.85
7 BEAUFORT	3	7.00	16	7.67	6.57
8 BERTIE	0	0.00	6	5.63	5.32
9 BLADEN	2	6.51	10	6.51	6.07
10 BRUNSWICK	3	6.90	32	16.24	17.53
11 BUNCOMBE	20	12.07	113	13.82	9.32
12 BURKE	2	2.67	15	4.06	4.44
13 CABARRUS	5	5.46	21	4.71	4.75
14 CALDWELL	0	0.00	21	6.16	6.64
15 CAMDEN	2	34.27	4	13.83	15.54
16 CARTERET	2	4.24	14	6.33	4.76
17 CASWELL	3	13.77	11	10.32	9.79
18 CATAWBA	4	3.60	37	6.84	6.81
19 CHATHAM	0	0.00	7	4.07	3.08
20 CHEROKEE	0	0.00	8	8.22	4.52
21 CHOWAN	2	15.46	11	17.31	13.09
22 CLAY	0	0.00	3	8.66	4.17
23 CLEVELAND	9	10.66	50	11.92	10.67
24 COLUMBUS	6	11.57	28	10.84	10.35
25 CRAVEN	6	7.81	36	9.77	12.95
26 CUMBERLAND	12	4.71	73	5.81	14.69
27 CURRITUCK	2	15.53	6	10.05	9.42
28 DARE	6	36.64	8	10.69	8.88
29 DAVIDSON	21	17.97	47	8.18	8.49
30 DAVIE	3	10.95	9	6.79	7.26
31 DUPLIN	4	9.59	26	12.61	12.10
32 DURHAM	35	21.82	118	15.09	13.90
33 EDGECOMBE	5	8.65	41	14.45	16.81
34 FORSYTH	13	5.10	84	6.73	6.40
35 FRANKLIN	2	6.30	8	5.18	3.67
36 GASTON	9	5.35	56	6.76	7.67
37 GATES	1	10.88	5	11.03	6.60
38 GRAHAM	0	0.00	0	0.00	0.00
39 GRANVILLE	1	2.75	9	5.11	5.35
40 GREENE	1	6.06	12	14.75	16.98
41 GUILFORD	28	8.62	146	9.10	8.83

* SEE SECTION I

MORTALITY STATISTICS FOR 1984, NORTH CAROLINA RESIDENTS
ATHEROSCLEROSIS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
42 HALIFAX	8	14.36	40	14.39	10.62
43 HARNETT	3	4.82	13	4.25	4.37
44 HAYWOOD	1	2.11	14	5.96	3.32
45 HENDERSON	4	6.15	37	11.94	8.84
46 HERTFORD	2	8.40	8	6.77	5.00
47 HOKE	2	8.88	12	11.09	16.94
48 HYDE	1	16.86	1	3.36	0.89
49 IREDELL	9	10.39	63	14.89	13.71
50 JACKSON	1	3.67	13	9.75	7.07
51 JOHNSTON	4	5.33	20	5.50	5.46
52 JONES	2	20.30	5	10.24	6.20
53 LEE	5	12.74	28	14.80	15.03
54 LENOIR	4	6.58	22	7.30	7.54
55 LINCOLN	3	6.76	24	11.07	11.17
56 MCDOWELL	6	16.56	20	11.13	9.70
57 MACON	2	8.78	10	9.24	4.15
58 MADISON	0	0.00	8	9.32	11.89*
59 MARTIN	2	7.46	5	3.79	4.59
60 MECKLENBURG	21	4.86	116	5.54	6.52
61 MITCHELL	2	14.03	7	9.74	4.83
62 MONTGOMERY	1	4.20	10	8.68	6.74
63 MOORE	10	28.49	68	26.07	19.08
64 NASH	7	9.95	26	7.54	8.04
65 NEW HANOVER	8	7.26	64	11.94	12.22
66 NORTHAMPTON	6	27.01	17	15.11	13.92
67 ONSLOW	4	3.32	21	3.62	10.20
68 ORANGE	9	11.09	31	7.86	10.16
69 PAMLICO	2	18.41	5	9.43	7.08
70 PASQUOTANK	2	6.89	16	11.18	8.50
71 PENDER	2	8.41	12	10.46	10.31
72 PERQUIMANS	1	10.06	9	18.61	12.02
73 PERSON	3	9.95	9	6.05	5.49
74 PITT	8	8.38	38	8.15	9.49
75 POLK	3	21.05	10	14.60	7.55
76 RANDOLPH	6	6.24	24	5.11	6.29
77 RICHMOND	7	15.34	37	16.24	15.64
78 ROBESON	14	13.26	94	18.11	19.89
79 ROCKINGHAM	9	10.56	43	10.15	9.67
80 ROWAN	21	20.67	116	23.02	16.82
81 RUTHERFORD	12	21.32	40	14.52	11.16
82 SAMPSON	2	3.97	19	7.60	7.40
83 SCOTLAND	8	23.67	36	21.77	24.14
84 STANLY	11	22.11	30	12.28	12.38
85 STOKES	3	8.55	14	8.15	7.24
86 SURRY	10	16.48	54	17.96	15.05
87 SWAIN	4	37.44	11	20.93	14.28
88 TRANSYLVANIA	7	28.08	15	12.37	12.68
89 TYRRELL	0	0.00	0	0.00	0.00
90 UNION	1	1.31	30	8.16	10.19
91 VANCE	0	0.00	6	3.22	3.24
92 WAKE	12	3.54	80	5.03	6.95
93 WARREN	3	18.21	6	7.35	5.93
94 WASHINGTON	2	13.92	4	5.48	7.14
95 WATAUGA	3	8.80	7	4.22	9.52*
96 WAYNE	4	4.06	35	7.15	7.82
97 WILKES	6	9.92	18	6.03	5.96
98 WILSON	5	7.76	32	10.03	10.29
99 YADKIN	0	0.00	11	7.57	5.70
100 YANCEY	1	6.49	10	13.18	7.17

* SEE SECTION I

TABLE 9

MORTALITY STATISTICS FOR 1984

NORTH CAROLINA RESIDENTS

CANCER

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE* 1980-84
NORTH CAROLINA	10649	172.75	50796	168.60	168.60
REGIONS					
DHR I WESTERN	3758	178.22	17680	171.31	164.49
DHR II N. CENTRAL	2287	175.23	11305	176.05	168.26
DHR III S. CENTRAL	2248	156.32	10480	150.16	171.78
DHR IV EASTERN	2356	179.50	11331	176.84	178.57
HSA I WESTERN	1982	187.17	9219	177.27	161.31
HSA II PIEDMONT	1982	171.92	9874	173.99	169.04
HSA III S. PIEDMONT	1776	169.19	8461	165.26	168.82
HSA IV CAPITAL	1477	167.62	6826	161.16	172.28
HSA V CARDINAL	1560	166.25	7228	157.27	173.63
HSA VI EASTERN	1872	172.79	9188	173.30	176.86
COUNTIES					
1 ALAMANCE	202	199.55	972	193.76	170.07
2 ALEXANDER	35	132.04	172	133.13	152.37
3 ALLEGHANY	25	253.31	92	188.07	151.98
4 ANSON	45	172.59	218	168.77	146.65
5 ASHE	53	227.68	199	173.99	152.28
6 AVERY	24	160.36	113	152.94	151.69
7 BEAUFORT	84	196.17	432	207.14	182.61
8 BERTIE	49	229.43	262	246.27	218.18
9 BLADEN	63	205.09	255	166.17	155.32
10 BRUNSWICK	88	202.62	355	180.27	170.02
11 BUNCOMBE	349	210.75	1734	212.15	178.55
12 BURKE	88	117.78	509	138.06	147.42
13 CABARRUS	173	189.24	802	180.23	166.58
14 CALDWELL	124	180.85	509	149.53	162.01
15 CAMDEN	12	205.65	61	211.05	187.32
16 CARTERET	86	182.51	464	210.02	190.52
17 CASWELL	40	183.63	164	153.87	146.72
18 CATAWBA	175	157.70	817	151.12	164.17
19 CHATHAM	69	197.28	289	168.43	149.80
20 CHEROKEE	46	230.25	211	217.06	166.00
21 CHOWAN	29	224.19	163	256.61	192.05
22 CLAY	12	169.85	67	193.56	164.40*
23 CLEVELAND	171	202.69	693	165.32	158.39
24 COLUMBUS	92	177.47	431	166.87	159.38
25 CRAVEN	102	132.80	539	146.35	181.74
26 CUMBERLAND	261	102.50	1236	98.38	182.19
27 CURRITUCK	32	248.50	122	204.45	188.53
28 DARE	37	225.99	136	181.86	142.89
29 DAVIDSON	192	164.32	903	157.33	158.52
30 DAVIE	52	189.91	232	175.12	175.48
31 DUPLIN	79	189.41	399	193.63	169.60
32 DURHAM	302	188.34	1413	180.71	183.06
33 EDGECOMBE	119	206.09	514	181.16	177.80
34 FORSYTH	413	162.03	2107	168.88	165.10
35 FRANKLIN	60	189.03	282	182.62	153.09
36 GASTON	297	176.76	1393	168.24	173.18
37 GATES	23	250.43	87	191.94	155.20
38 GRAHAM	15	210.61	68	190.94	146.49
39 GRANVILLE	65	179.38	335	190.35	162.76
40 GREENE	21	127.44	124	152.46	163.44
41 GUILFORD	599	184.59	3006	187.55	187.66

* SEE SECTION I

MORTALITY STATISTICS FOR 1984, NORTH CAROLINA RESIDENTS
CANCER CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
42 HALIFAX	111	199.27	550	197.99	169.79
43 HARNETT	113	181.87	496	162.38	169.99
44 HAYWOOD	104	219.70	447	190.30	161.29
45 HENDERSON	140	215.58	674	217.61	163.62
46 HERTFORD	51	214.21	236	199.75	165.65
47 HOKE	27	119.98	123	113.70	138.69
48 HYDE	6	101.16	46	154.83	120.05
49 IREDELL	173	199.73	718	169.73	156.78
50 JACKSON	39	143.44	190	142.55	138.80
51 JOHNSTON	127	169.30	680	187.20	178.87
52 JONES	14	142.10	79	161.86	149.18
53 LEE	76	193.66	361	190.85	194.04
54 LENOIR	126	207.48	593	197.01	190.53
55 LINCOLN	67	151.18	327	150.96	156.97
56 MCDOWELL	48	132.52	269	149.79	131.95
57 MACON	53	232.77	270	249.55	196.04
58 MADISON	31	180.66	159	185.30	126.84
59 MARTIN	50	186.74	257	195.19	171.95
60 MECKLENBURG	652	151.03	3271	156.37	177.43
61 MITCHELL	35	245.56	152	211.53	137.48
62 MONTGOMERY	44	185.18	223	193.73	172.23
63 MOORE	121	223.81	610	233.87	178.70
64 NASH	116	164.95	592	171.84	164.89
65 NEW HANOVER	242	219.72	1093	203.99	207.48
66 NORTHAMPTON	47	211.59	254	225.90	178.87
67 ONSLOW	103	85.72	459	79.31	169.98
68 ORANGE	103	127.01	463	117.44	155.48
69 PAMLICO	28	257.85	121	228.38	181.13
70 PASQUOTANK	71	244.88	302	211.13	192.08
71 PENDER	62	261.01	264	230.13	197.53
72 PERQUIMANS	15	150.98	107	221.32	161.72
73 PERSON	44	145.95	264	177.75	160.95
74 PITT	133	139.32	727	155.99	180.11
75 POLK	39	273.74	163	238.12	162.32
76 RANDOLPH	141	146.77	707	150.68	156.21
77 RICHMOND	73	159.99	419	183.96	165.53
78 ROBESON	157	148.80	769	148.23	173.26
79 ROCKINGHAM	145	170.23	747	176.47	161.41
80 ROWAN	211	207.75	986	195.73	160.19
81 RUTHERFORD	118	209.72	522	189.58	164.46
82 SAMPSON	108	214.48	493	197.30	174.96
83 SCOTLAND	64	189.37	243	146.97	165.84
84 STANLY	101	203.07	446	182.68	163.18
85 STOKES	46	131.23	243	141.62	149.59
86 SURRY	108	178.05	564	187.67	172.36
87 SWAIN	23	215.29	114	216.93	178.90
88 TRANSYLVANIA	53	212.65	238	196.40	163.66
89 TYRRELL	13	312.72	54	261.61	203.99
90 UNION	102	133.63	518	141.03	162.01
91 VANCE	91	241.41	349	187.61	163.72
92 WAKE	495	146.36	2189	137.77	177.67
93 WARREN	45	273.27	201	246.40	178.67
94 WASHINGTON	30	208.81	141	193.49	181.79
95 WATAUGA	40	117.37	210	126.84	137.01
96 WAYNE	164	166.53	761	155.66	171.24
97 WILKES	100	165.39	478	160.30	155.48
98 WILSON	121	187.95	606	190.12	186.90
99 YADKIN	44	150.24	229	157.59	146.57
100 YANCEY	42	272.86	149	196.47	148.13

* SEE SECTION I

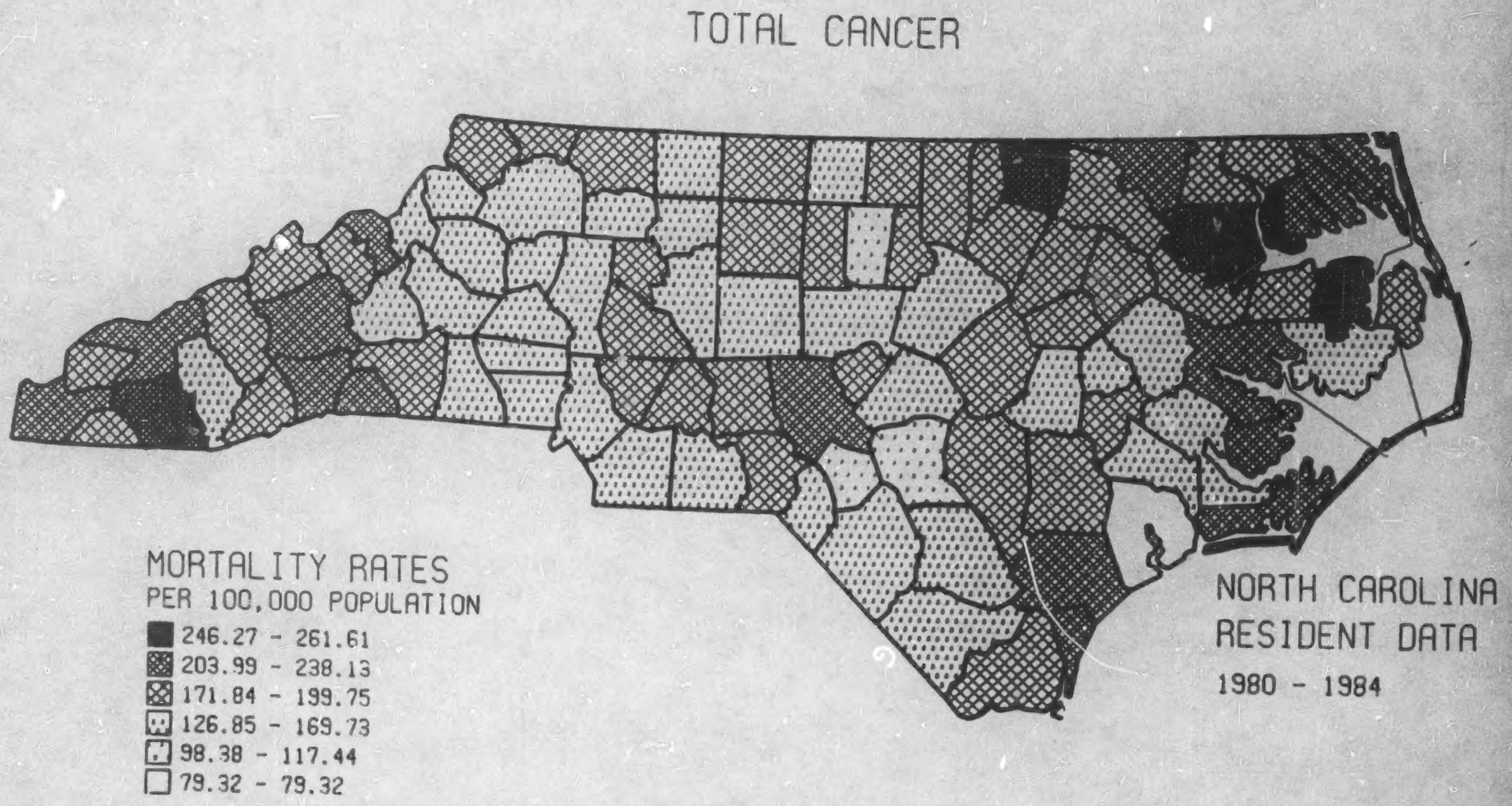

TOTAL CANCER
MORTALITY RATES
PER 100,000 POPULATION
246.27 - 261.61
203.99 - 238.13
171.84 - 199.75
126.85 - 169.73
98.38 - 117.44
79.32 - 79.32
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 9.A

TOTAL CANCER

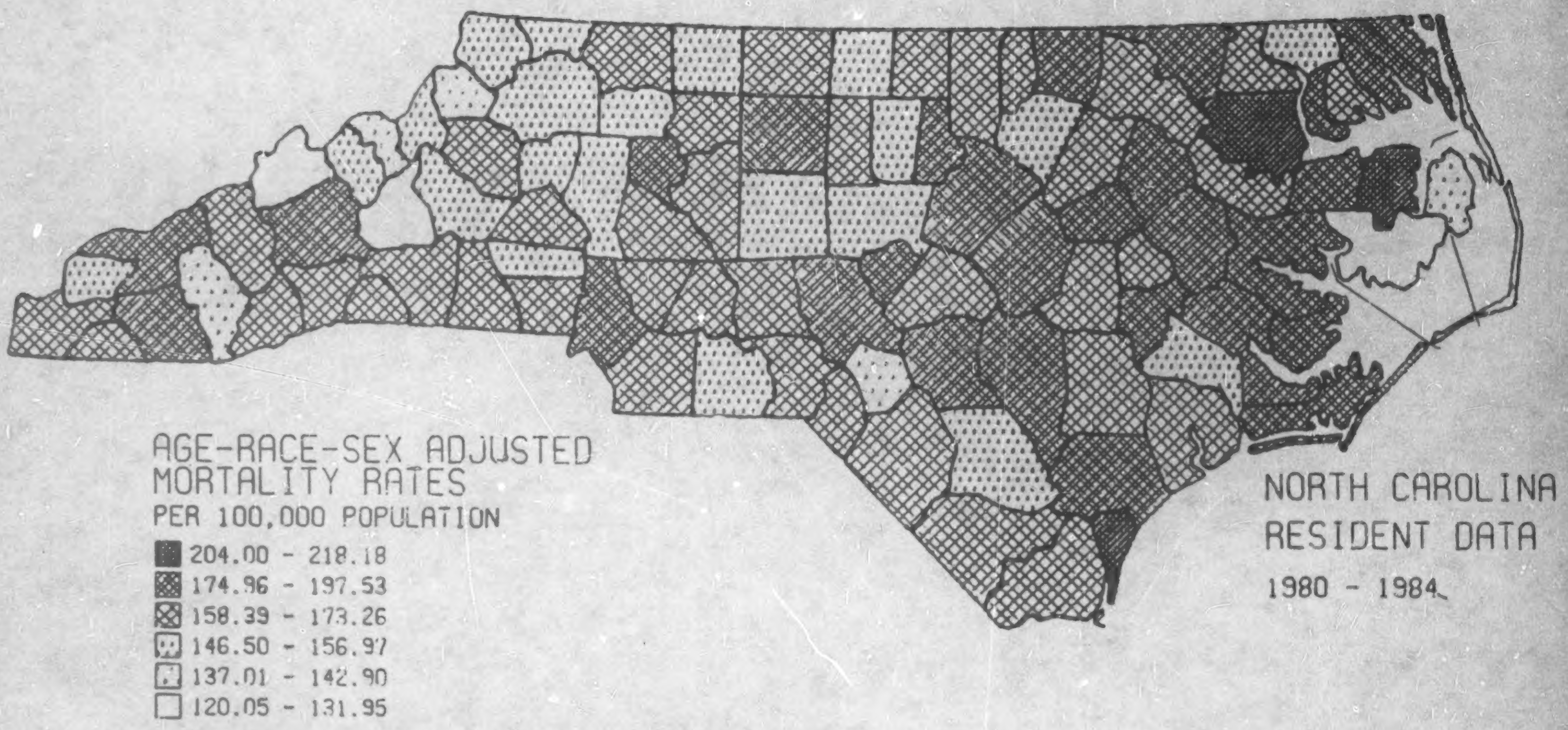

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
■ 204.00 - 218.18
▩ 174.96 - 197.53
▨ 158.39 - 173.26
⁘ 146.50 - 156.97
⁚ 137.01 - 142.90
□ 120.05 - 131.95
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 9.B

TABLE 10

MORTALITY STATISTICS FOR 1984

NORTH CAROLINA RESIDENTS

CANCER OF STOMACH

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
NORTH CAROLINA	290	4.70	1414	4.69	4.69
REGIONS					
DHR I WESTERN	99	4.69	499	4.83	4.92
DHR II N. CENTRAL	55	4.21	305	4.74	4.60
DHR III S. CENTRAL	68	4.72	293	4.19	4.59
DHR IV EASTERN	68	5.18	317	4.94	4.46
HSA I WESTERN	44	4.15	272	5.23	5.37
HSA II PIEDMONT	50	4.33	256	4.51	4.55
HSA III S. PIEDMONT	55	5.23	227	4.43	4.68
HSA IV CAPITAL	37	4.19	201	4.74	4.73
HSA V CARDINAL	51	5.43	199	4.32	4.60
HSA VI EASTERN	53	4.89	259	4.88	4.36
COUNTIES					
1 ALAMANCE	6	5.92	28	5.58	5.01
2 ALEXANDER	1	3.77	6	4.64	4.46
3 ALLEGHANY	0	0.00	2	4.08	14.07*
4 ANSON	2	7.67	6	4.64	4.12
5 ASHE	3	12.88	9	7.86	4.68
6 AVERY	1	6.68	2	2.70	1.86
7 BEAUFORT	7	16.34	17	8.15	6.50
8 BERTIE	2	9.36	15	14.09	8.78
9 BLADEN	3	9.76	10	6.51	6.43
10 BRUNSWICK	2	4.60	5	2.53	2.54
11 BUNCOMBE	9	5.43	52	6.36	5.77
12 BURKE	4	5.35	11	2.98	3.21
13 CABARRUS	7	7.65	21	4.71	4.79
14 CALDWELL	4	5.83	17	4.99	4.45
15 CAMDEN	0	0.00	2	6.91	5.29
16 CARTERET	1	2.12	5	2.26	1.63
17 CASWELL	1	4.59	5	4.69	2.39
18 CATAWBA	4	3.60	21	3.88	6.15
19 CHATHAM	1	2.85	11	6.41	5.46
20 CHEROKEE	0	0.00	3	3.08	1.73
21 CHOWAN	1	7.73	5	7.87	5.35
22 CLAY	0	0.00	1	2.88	2.41
23 CLEVELAND	0	0.00	26	6.20	6.16
24 COLUMBUS	4	7.71	8	3.09	2.68
25 CRAVEN	6	7.81	18	4.88	5.49
26 CUMBERLAND	9	3.53	40	3.18	6.00
27 CURRITUCK	2	15.53	3	5.02	4.92
28 DARE	0	0.00	1	1.33	0.85
29 DAVIDSON	2	1.71	24	4.18	4.61
30 DAVIE	2	7.30	7	5.28	6.48
31 DUPLIN	1	2.39	9	4.36	3.11
32 DURHAM	10	6.23	43	5.49	4.62
33 EDGECOMBE	3	5.19	21	7.40	6.19
34 FORSYTH	15	5.88	69	5.53	5.29
35 FRANKLIN	1	3.15	5	3.23	2.77
36 GASTON	9	5.35	43	5.19	5.32
37 GATES	0	0.00	0	0.00	0.00
38 GRAHAM	0	0.00	1	2.80	2.11
39 GRANVILLE	0	0.00	11	6.25	4.10
40 GREENE	0	0.00	2	2.45	3.67
41 GUILFORD	14	4.31	68	4.24	4.24

* SEE SECTION I

MORTALITY STATISTICS FOR 1984, NORTH CAROLINA RESIDENTS
CANCER OF STOMACH CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
42 HALIFAX	1	1.79	17	6.11	4.45
43 HARNETT	1	1.60	12	3.92	4.10
44 HAYWOOD	4	8.45	17	7.23	4.26
45 HENDERSON	2	3.07	15	4.84	5.29
46 HERTFORD	0	0.00	2	1.69	2.52
47 HOKE	0	0.00	4	3.69	3.00
48 HYDE	0	0.00	1	3.36	2.90
49 IREDELL	4	4.61	20	4.72	4.32
50 JACKSON	0	0.00	7	5.25	4.06
51 JOHNSTON	2	2.66	19	5.23	4.95
52 JONES	0	0.00	1	2.04	3.46
53 LEE	2	5.09	14	7.40	7.93
54 LENOIR	2	3.29	9	2.99	2.02
55 LINCOLN	2	4.51	7	3.23	2.78
56 MCDOWELL	2	5.52	9	5.01	8.47
57 MACON	1	4.39	13	12.01	18.81
58 MADISON	1	5.82	4	4.66	2.76
59 MARTIN	2	7.46	11	8.35	5.21
60 MECKLENBURG	23	5.32	96	4.58	5.21
61 MITCHELL	1	7.01	2	2.78	1.82
62 MONTGOMERY	1	4.20	7	6.08	5.32
63 MOORE	4	7.39	12	4.60	3.62
64 NASH	4	5.68	19	5.51	4.79
65 NEW HANOVER	5	4.53	33	6.15	6.26
66 NORTHAMPTON	1	4.30	5	4.44	3.41
67 ONSLOW	4	3.32	6	1.03	2.18
68 ORANGE	2	2.46	13	3.29	4.29
69 PAMLICO	1	9.20	2	3.77	3.01
70 PASQUOTANK	1	3.44	11	7.69	5.82
71 PENDER	4	16.83	12	10.46	7.78
72 PERQUIMANS	1	10.06	3	6.20	5.18
73 PERSON	1	3.31	11	7.40	6.28
74 PITT	4	4.19	24	5.14	5.03
75 POLK	1	7.01	5	7.30	6.25
76 RANDOLPH	3	3.12	21	4.47	5.76
77 RICHMOND	2	4.38	13	5.70	4.95
78 ROBESON	8	7.58	17	3.27	2.97
79 ROCKINGHAM	3	3.52	16	3.77	3.45
80 ROWAN	5	4.92	23	4.56	3.61
81 RUTHERFORD	3	5.33	13	4.72	4.63
82 SAMPSON	2	3.97	12	4.80	4.11
83 SCOTLAND	4	11.83	8	4.83	6.34
84 STANLY	3	6.03	9	3.68	2.75
85 STOKES	1	2.85	3	1.74	1.59
86 SURRY	3	4.94	12	3.99	3.96
87 SWAIN	1	9.36	3	5.70	6.10
88 TRANSYLVANIA	0	0.00	3	2.47	1.71
89 TYRRELL	0	0.00	1	4.84	4.52
90 UNION	2	2.62	8	2.17	2.47
91 VANCE	0	0.00	10	5.37	3.06
92 WAKE	15	4.43	52	3.27	4.13
93 WARREN	3	18.21	12	14.71	7.76
94 WASHINGTON	3	20.88	6	8.23	7.34
95 WATAUGA	1	2.93	9	5.43	4.26
96 WAYNE	1	1.01	21	4.29	4.17
97 WILKES	0	0.00	13	4.3[illegible]	3.56
98 WILSON	5	7.76	22	6.90	5.98
99 YADKIN	0	0.00	3	2.06	1.62
100 YANCEY	1	6.49	8	10.54	6.83

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

CANCER OF THE STOMACH

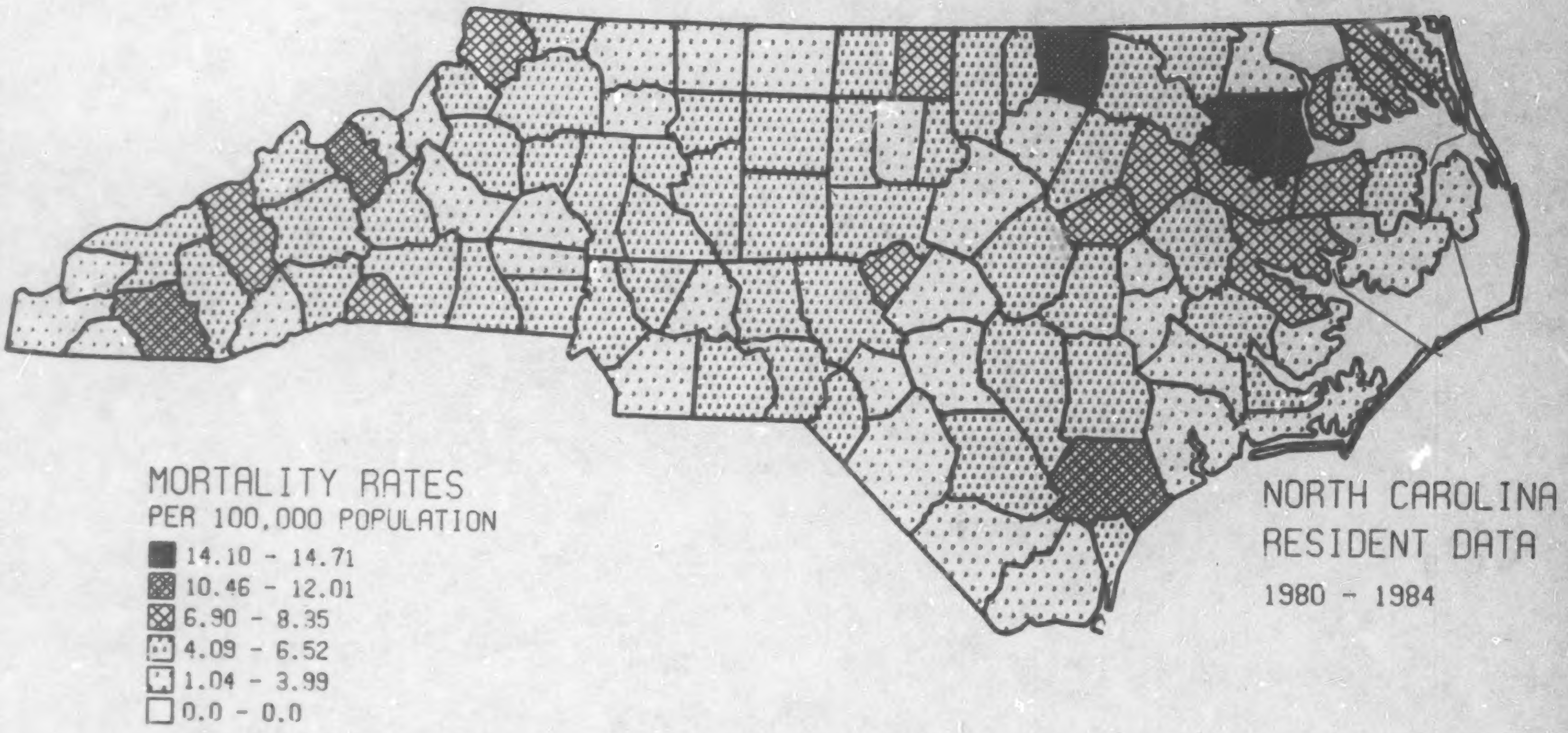

MORTALITY RATES
PER 100,000 POPULATION
■ 14.10 - 14.71
▩ 10.46 - 12.01
▨ 6.90 - 8.35
▦ 4.09 - 6.52
⬚ 1.04 - 3.99
□ 0.0 - 0.0
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 10.A

CANCER OF THE STOMACH

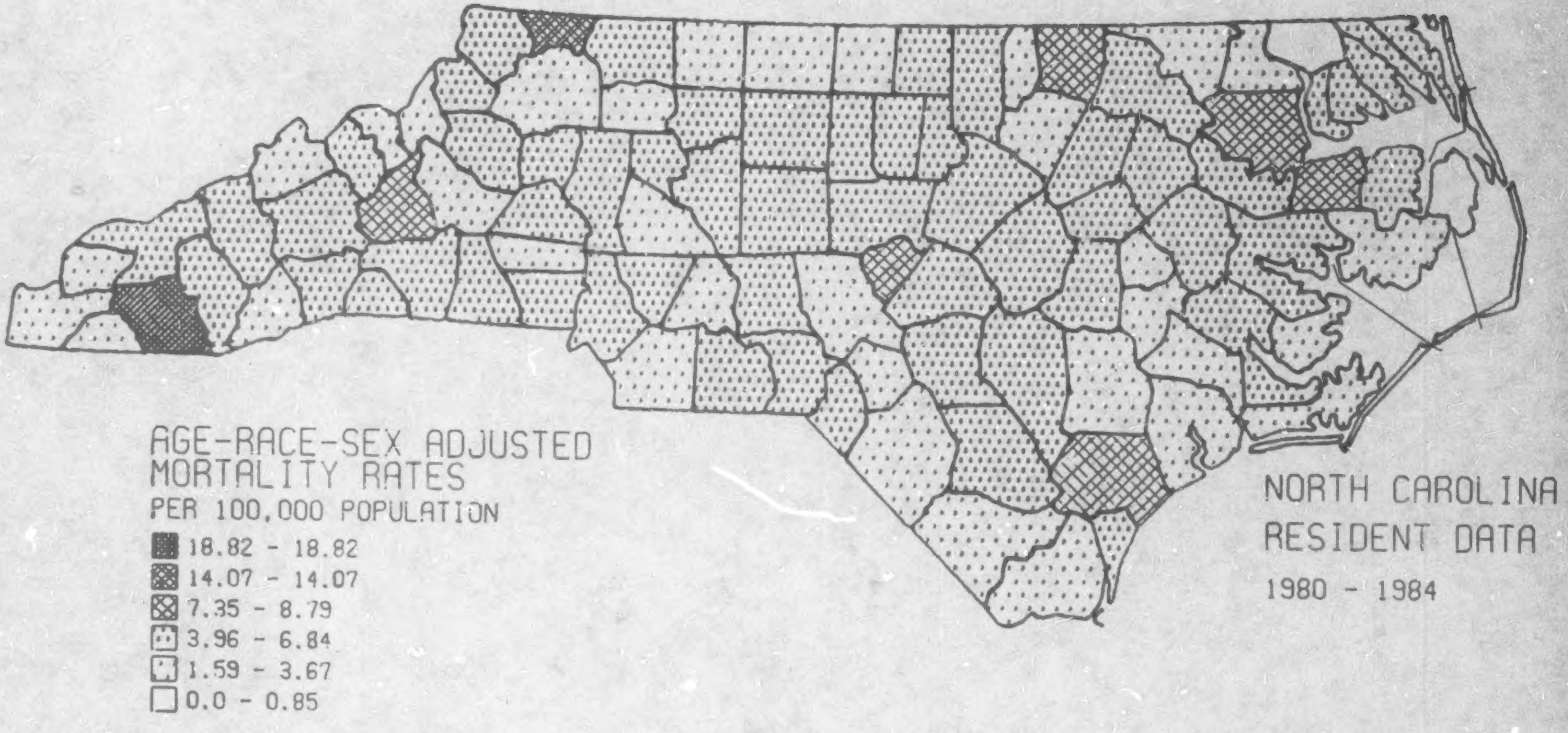

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
18.82 - 18.82
14.07 - 14.07
7.35 - 8.79
3.96 - 6.84
1.59 - 3.67
0.0 - 0.85
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 10.B

TABLE 11

MORTALITY STATISTICS FOR 1984

NORTH CAROLINA RESIDENTS

CANCER OF COLON, RECTUM AND ANUS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
NORTH CAROLINA	1094	17.74	5394	17.90	17.90
REGIONS					
DHR I WESTERN	410	19.44	1975	19.13	18.17
DHR II N. CENTRAL	231	17.69	1207	18.79	17.93
DHR III S. CENTRAL	227	15.78	1065	15.25	17.63
DHR IV EASTERN	226	17.21	1147	17.90	18.40
HSA I WESTERN	192	18.13	1012	19.45	17.14
HSA II PIEDMONT	202	17.52	1069	18.83	18.29
HSA III S. PIEDMONT	218	20.76	963	18.81	19.22
HSA IV CAPITAL	148	16.79	681	16.07	17.15
HSA V CARDINAL	160	17.05	737	16.03	17.92
HSA VI EASTERN	174	16.06	932	17.57	18.30
COUNTIES					
1 ALAMANCE	23	22.72	96	19.13	16.68
2 ALEXANDER	5	18.86	15	11.61	15.98
3 ALLEGHANY	1	10.13	8	16.35	9.58
4 ANSON	2	7.67	19	14.70	11.07
5 ASHE	1	4.29	19	16.61	9.74
6 AVERY	2	13.36	6	8.12	6.21
7 BEAUFORT	5	11.67	40	19.17	17.60
8 BERTIE	1	4.68	29	27.25	25.16
9 BLADEN	5	16.27	21	13.68	12.99
10 BRUNSWICK	7	16.11	29	14.72	14.68
11 BUNCOMBE	37	22.34	195	23.85	18.49
12 BURKE	7	9.36	57	15.46	15.92
13 CABARRUS	20	21.87	88	19.77	17.74
14 CALDWELL	7	10.20	53	15.57	15.51
15 CAMDEN	3	51.41	7	24.21	22.46
16 CARTERET	9	19.10	44	19.91	16.97
17 CASWELL	2	9.18	12	11.25	11.58
18 CATAWBA	24	21.62	95	17.57	21.24
19 CHATHAM	5	14.29	28	16.31	14.06
20 CHEROKEE	4	20.02	15	15.43	8.84
21 CHOWAN	1	7.73	18	28.33	21.04
22 CLAY	0	0.00	5	14.44	8.28
23 CLEVELAND	20	23.70	98	23.37	21.70
24 COLUMBUS	7	13.50	29	11.22	11.43
25 CRAVEN	8	10.41	50	13.57	16.97
26 CUMBERLAND	27	10.60	122	9.71	19.85
27 CURRITUCK	1	7.76	13	21.78	21.12
28 DARE	5	30.53	19	25.40	21.44
29 DAVIDSON	22	18.82	104	18.12	17.60
30 DAVIE	8	29.21	33	24.90	25.14
31 DUPLIN	6	14.38	29	14.07	12.33
32 DURHAM	27	16.83	143	18.28	18.55
33 EDGECOMBE	8	13.85	56	19.73	17.33
34 FORSYTH	50	19.61	248	19.87	19.08
35 FRANKLIN	3	9.45	24	15.54	11.04
36 GASTON	27	16.06	138	16.66	17.26
37 GATES	2	21.77	11	24.26	22.82
38 GRAHAM	1	14.04	8	22.46	16.28
39 GRANVILLE	13	35.87	36	20.45	17.08
40 GREENE	2	12.13	11	13.52	14.53
41 GUILFORD	52	16.02	319	19.90	19.85

* SEE SECTION I

MORTALITY STATISTICS FOR 1984, NORTH CAROLINA RESIDENTS
CANCER OF COLON, RECTUM AND ANUS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE* 1980-84
42 HALIFAX	12	21.54	56	20.15	16.74
43 HARNETT	16	25.75	55	18.00	19.39
44 HAYWOOD	10	21.12	45	19.15	22.66
45 HENDERSON	22	33.87	96	30.99	21.64
46 HERTFORD	3	12.60	29	24.54	22.19
47 HOKE	1	4.44	12	11.09	10.70
48 HYDE	0	0.00	3	10.09	10.25*
49 IREDELL	25	28.86	88	20.80	18.83
50 JACKSON	4	14.71	16	12.00	11.64
51 JOHNSTON	6	7.99	71	19.54	18.91
52 JONES	3	30.45	9	18.44	18.17
53 LEE	7	17.83	34	17.97	18.30
54 LENOIR	12	19.76	48	15.94	16.52
55 LINCOLN	12	27.07	45	20.77	24.79
56 MCDOWELL	2	5.52	24	13.36	12.47
57 MACON	6	35.13	33	30.50	26.11
58 MADISON	1	5.82	12	13.98	9.29
59 MARTIN	4	14.93	21	15.94	15.40
60 MECKLENBURG	91	21.07	385	18.40	21.16
61 MITCHELL	5	35.08	17	23.65	13.61
62 MONTGOMERY	10	42.08	29	25.19	22.49
63 MOORE	17	31.44	85	32.58	23.77
64 NASH	13	18.48	73	21.18	21.90
65 NEW HANOVER	32	29.05	132	24.63	25.17
66 NORTHAMPTON	4	18.00	31	27.57	22.75
67 ONSLOW	10	8.32	43	7.43	16.48
68 ORANGE	14	17.26	50	12.68	16.78
69 PAMLICO	2	18.41	11	20.76	15.72
70 PASQUOTANK	11	37.94	34	23.77	20.34
71 PENDER	6	25.25	25	21.79	17.63
72 PERQUIMANS	1	10.06	12	24.82	19.60
73 PERSON	3	9.95	17	11.44	10.50
74 PITT	11	11.52	68	14.59	17.31
75 POLK	4	28.07	21	30.67	18.62
76 RANDOLPH	16	16.65	87	18.54	18.91
77 RICHMOND	8	17.53	46	20.19	17.64
78 ROBESON	11	10.42	61	11.75	13.58
79 ROCKINGHAM	11	12.91	72	17.00	15.59
80 ROWAN	20	19.69	113	22.43	18.41
81 RUTHERFORD	11	19.55	59	21.42	17.43
82 SAMPSON	8	15.88	52	20.81	19.13
83 SCOTLAND	3	8.87	20	12.09	12.47
84 STANLY	15	30.15	56	22.93	21.05
85 STOKES	3	8.55	19	11.07	13.03
86 SURRY	13	21.43	58	19.29	17.53
87 SWAIN	1	9.36	12	22.83	16.16
88 TRANSYLVANIA	1	4.01	24	19.80	16.72
89 TYRRELL	1	24.05	7	33.91	23.90
90 UNION	8	10.48	50	13.61	16.49
91 VANCE	9	23.87	39	20.96	17.44
92 WAKE	60	17.74	217	13.65	18.17
93 WARREN	1	6.07	22	26.96	21.74
94 WASHINGTON	3	20.88	18	24.70	22.13
95 WATAUGA	4	11.73	23	13.89	12.29
96 WAYNE	20	20.30	86	17.59	19.54
97 WILKES	7	11.57	43	14.42	13.08
98 WILSON	13	20.19	56	17.56	17.33
99 YADKIN	2	6.82	21	14.45	13.64
100 YANCEY	3	19.49	13	17.14	11.23

* SEE SECTION I

CANCER OF THE COLON, RECTUM AND ANUS

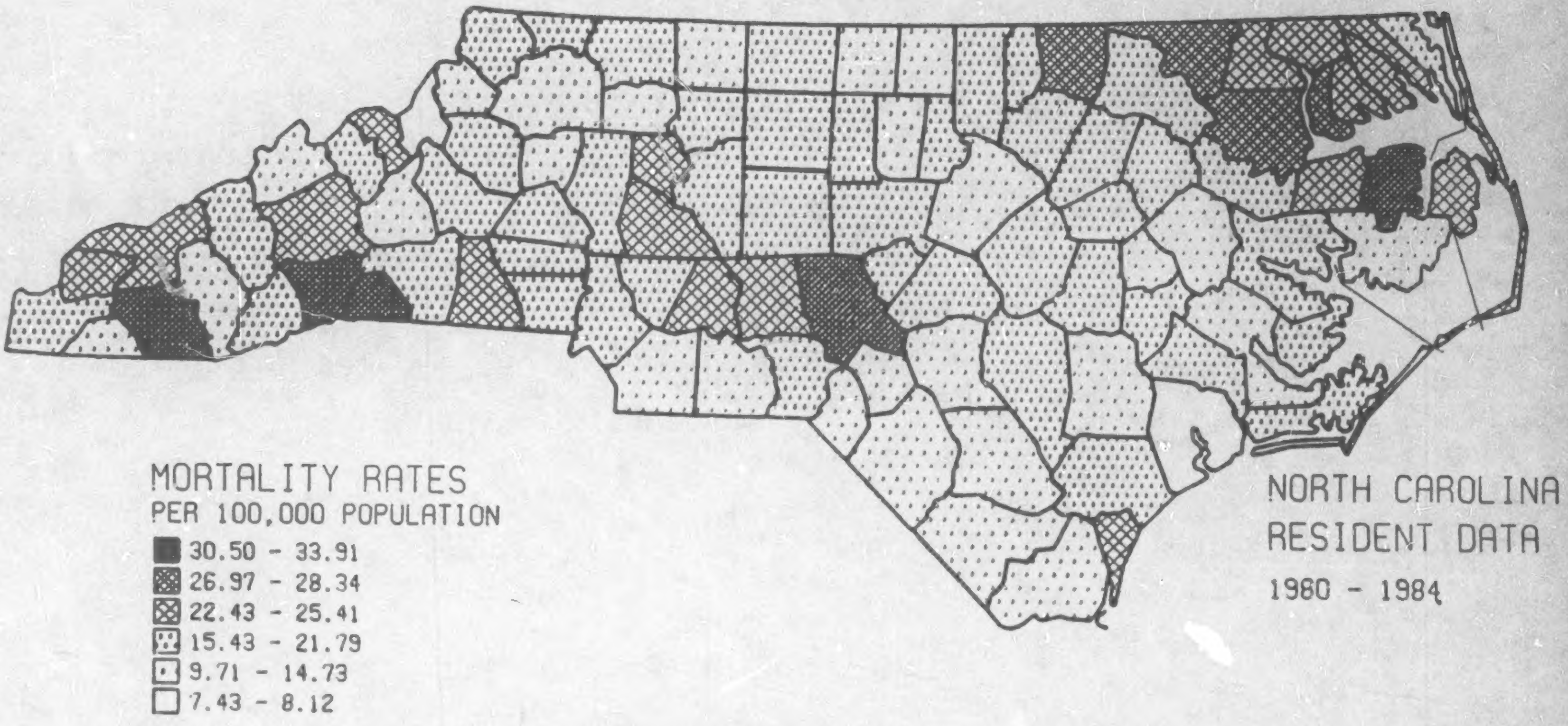

MORTALITY RATES
PER 100,000 POPULATION
■ 30.50 - 33.91
▩ 26.97 - 28.34
▨ 22.43 - 25.41
⁙ 15.43 - 21.79
⊡ 9.71 - 14.73
□ 7.43 - 8.12
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 11.A

CANCER OF THE COLON, RECTUM AND ANUS

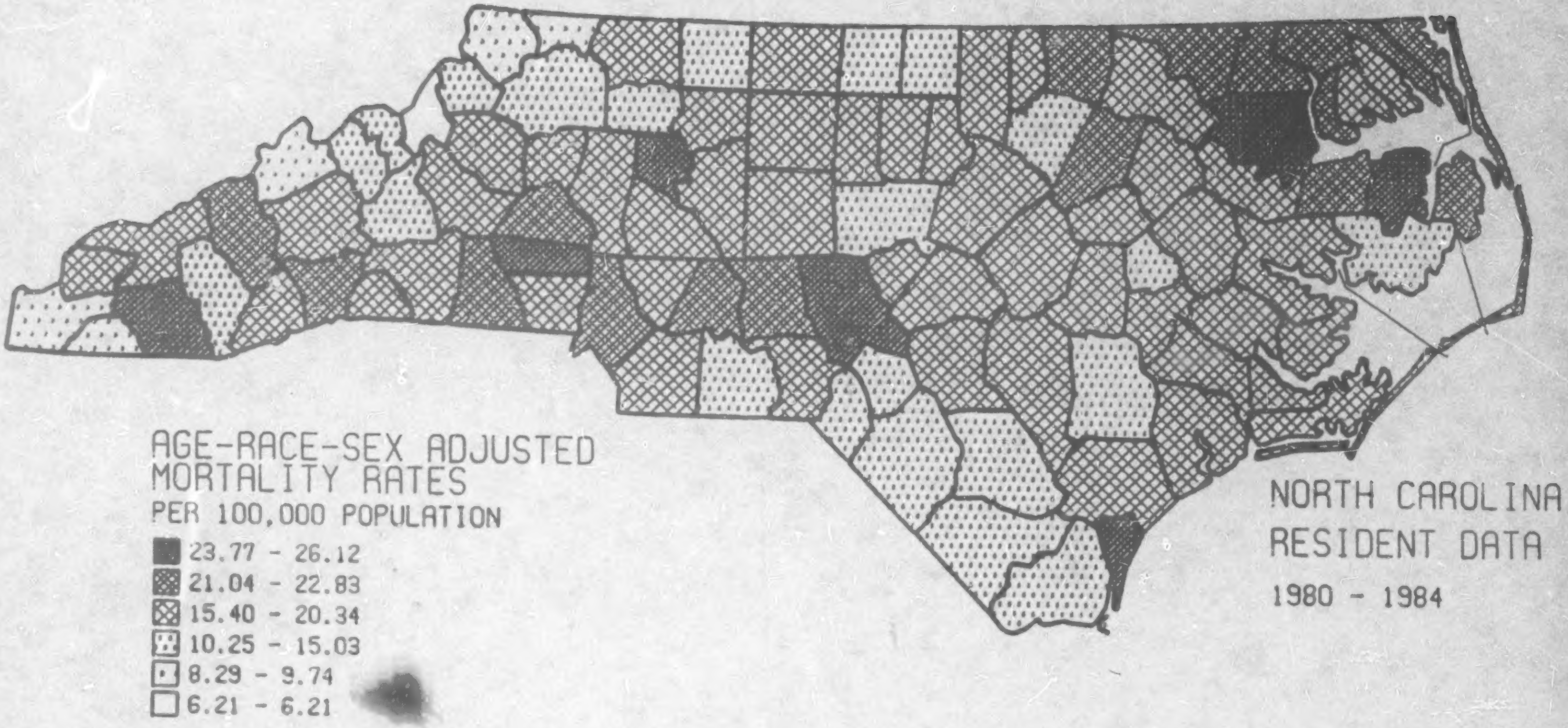

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
23.77 - 26.12
21.04 - 22.83
15.40 - 20.34
10.25 - 15.03
8.29 - 9.74
6.21 - 6.21
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 11.B

TABLE 12

MORTALITY STATISTICS FOR 1984

NORTH CAROLINA RESIDENTS

CANCER OF PANCREAS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE* 1980-84
NORTH CAROLINA	586	9.50	2766	9.18	9.18
REGIONS					
DHR I WESTERN	227	10.76	997	9.66	9.42
DHR II N. CENTRAL	132	10.11	610	9.49	9.08
DHR III S. CENTRAL	121	8.41	577	8.26	9.41
DHR IV EASTERN	106	8.07	582	9.08	9.12
HSA I WESTERN	121	11.42	521	10.01	9.11
HSA II PIEDMONT	113	9.80	544	9.58	9.39
HSA III S. PIEDMONT	106	10.09	476	9.29	9.64
HSA IV CAPITAL	77	8.73	346	8.16	8.65
HSA V CARDINAL	82	8.73	403	8.76	9.65
HSA VI EASTERN	87	8.03	476	8.97	9.11
COUNTIES					
1 ALAMANCE	9	8.89	50	9.96	8.87
2 ALEXANDER	1	3.77	10	7.74	13.08
3 ALLEGHANY	3	30.39	5	10.22	5.97
4 ANSON	0	0.00	10	7.74	6.22
5 ASHE	4	17.18	14	12.24	7.63
6 AVERY	1	6.68	3	4.06	3.33
7 BEAUFORT	3	7.00	21	10.06	8.11
8 BERTIE	2	9.36	12	11.27	8.31
9 BLADEN	6	19.53	15	9.77	8.64
10 BRUNSWICK	4	9.21	12	6.09	6.03
11 BUNCOMBE	14	8.45	81	9.91	8.16
12 BURKE	5	6.69	28	7.59	6.50
13 CABARRUS	7	7.65	32	7.19	6.46
14 CALDWELL	13	18.96	32	9.40	9.90
15 CAMDEN	0	0.00	4	13.83	11.01
16 CARTERET	9	19.10	28	12.67	9.55
17 CASWELL	7	32.13	9	8.44	8.11
18 CATAWBA	11	9.91	53	9.80	9.50
19 CHATHAM	3	8.57	12	6.99	6.43
20 CHEROKEE	3	15.01	13	13.37	12.22
21 CHOWAN	3	23.19	7	11.02	7.24
22 CLAY	1	14.15	8	23.11	13.79
23 CLEVELAND	11	13.03	47	11.21	10.85
24 COLUMBUS	3	5.78	26	10.06	10.00
25 CRAVEN	6	7.81	28	7.60	9.54
26 CUMBERLAND	10	3.92	69	5.49	10.63
27 CURRITUCK	1	7.76	4	6.70	7.04
28 DARE	1	6.10	8	10.69	7.65
29 DAVIDSON	13	11.12	62	10.80	11.60
30 DAVIE	2	7.30	11	8.30	7.08
31 DUPLIN	4	9.59	24	11.64	9.92
32 DURHAM	11	6.86	68	8.69	8.72
33 EDGECOMBE	1	1.73	20	7.04	6.56
34 FORSYTH	22	8.63	122	9.77	9.61
35 FRANKLIN	5	15.75	13	8.41	5.57
36 GASTON	15	8.92	74	8.93	9.85
37 GATES	2	21.77	6	13.23	6.00
38 GRAHAM	2	28.08	5	14.03	9.22
39 GRANVILLE	2	5.51	13	7.38	7.14
40 GREENE	1	6.06	8	9.83	10.38
41 GUILFORD	26	8.01	147	9.17	9.22

* SEE SECTION I

MORTALITY STATISTICS FOR 1984, NORTH CAROLINA RESIDENTS
CANCER OF PANCREAS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
42 HALIFAX	6	10.77	27	9.71	8.57
43 HARNETT	5	8.04	27	8.83	9.17
44 HAYWOOD	4	8.45	24	10.21	6.50
45 HENDERSON	5	7.69	26	8.39	6.03
46 HERTFORD	0	0.00	10	8.46	8.32
47 HOKE	3	13.33	8	7.39	8.53
48 HYDE	1	16.86	1	3.36	1.46
49 IREDELL	12	13.85	49	11.58	11.07
50 JACKSON	1	3.67	10	7.50	6.73
51 JOHNSTON	9	11.99	40	11.01	10.57
52 JONES	0	0.00	2	4.09	4.59
53 LEE	4	10.19	18	9.51	9.77
54 LENOIR	7	11.52	47	15.61	15.87
55 LINCOLN	5	11.28	20	9.23	8.23
56 MCDOWELL	2	5.52	16	8.90	6.63
57 MACON	4	17.56	15	13.86	6.80
58 MADISON	1	5.82	9	10.48	6.80
59 MARTIN	4	14.93	13	9.87	9.62
60 MECKLENBURG	43	9.96	189	9.03	10.23
61 MITCHELL	2	14.03	9	12.52	18.16*
62 MONTGOMERY	3	12.62	17	14.76	12.64
63 MOORE	6	11.09	40	15.33	11.57
64 NASH	6	8.53	33	9.57	9.32
65 NEW HANOVER	10	9.07	59	11.01	11.02
66 NORTHAMPTON	1	4.50	11	9.78	8.86
67 ONSLOW	3	2.49	15	2.59	6.65
68 ORANGE	8	9.86	28	7.10	9.44
69 PAMLICO	1	9.20	7	13.21	9.56
70 PASQUOTANK	5	17.24	13	9.08	8.00
71 PENDER	2	8.41	9	7.84	7.60
72 PERQUIMANS	0	0.00	5	10.34	6.64
73 PERSON	4	13.26	17	11.44	10.22
74 PITT	4	4.19	40	8.58	9.62
75 POLK	2	14.03	9	13.14	8.13
76 RANDOLPH	10	10.40	44	9.37	11.27
77 RICHMOND	7	15.34	33	14.48	12.76
78 ROBESON	14	13.26	52	10.02	10.94
79 ROCKINGHAM	10	11.74	43	10.15	9.20
80 ROWAN	15	14.76	65	12.90	10.21
81 RUTHERFORD	8	14.21	36	13.07	12.94
82 SAMPSON	5	9.92	18	7.20	6.74
83 SCOTLAND	4	11.83	8	4.83	5.50
84 STANLY	5	10.05	24	9.83	7.31
85 STOKES	4	11.41	13	7.57	8.87
86 SURRY	7	11.54	31	10.31	8.14
87 SWAIN	3	28.08	5	9.51	6.19
88 TRANSYLVANIA	1	4.01	14	11.55	8.24
89 TYRRELL	1	24.05	4	19.37	14.70
90 UNION	4	5.24	23	6.26	7.12
91 VANCE	7	18.57	17	9.13	6.32
92 WAKE	23	6.80	114	7.17	9.28
93 WARREN	1	6.07	6	7.35	5.19
94 WASHINGTON	1	6.96	5	6.86	6.77
95 WATAUGA	4	11.73	14	8.45	7.53
96 WAYNE	6	6.09	45	9.20	10.26
97 WILKES	10	16.53	27	9.05	9.45
98 WILSON	8	12.42	28	8.78	8.76
99 YADKIN	3	10.24	12	8.25	5.80
100 YANCEY	5	32.48	8	10.54	6.41

* SEE SECTION I

CANCER OF THE PANCREAS

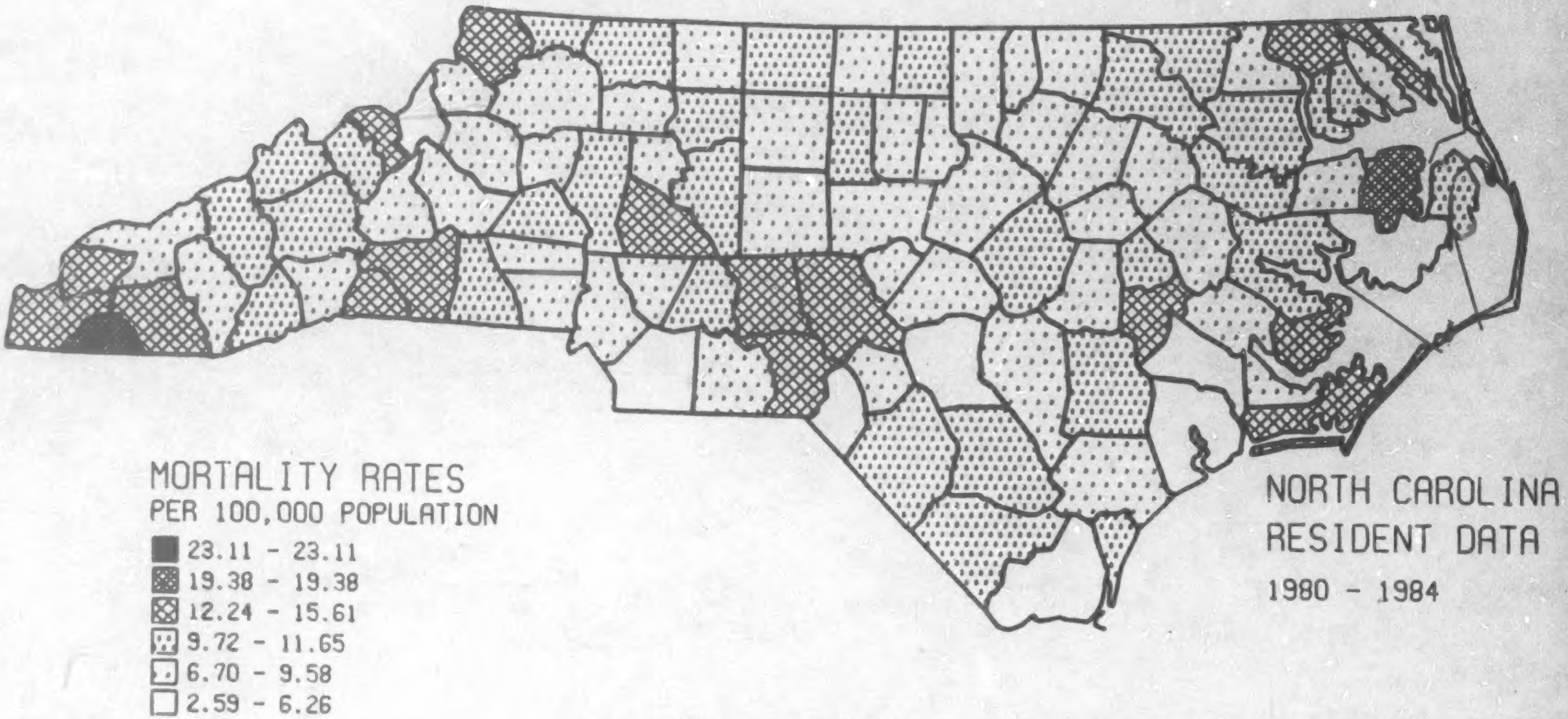

MORTALITY RATES
PER 100,000 POPULATION
■ 23.11 - 23.11
▩ 19.38 - 19.38
▨ 12.24 - 15.61
▦ 9.72 - 11.65
▫ 6.70 - 9.58
□ 2.59 - 6.26
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 12.A

CANCER OF THE PANCREAS

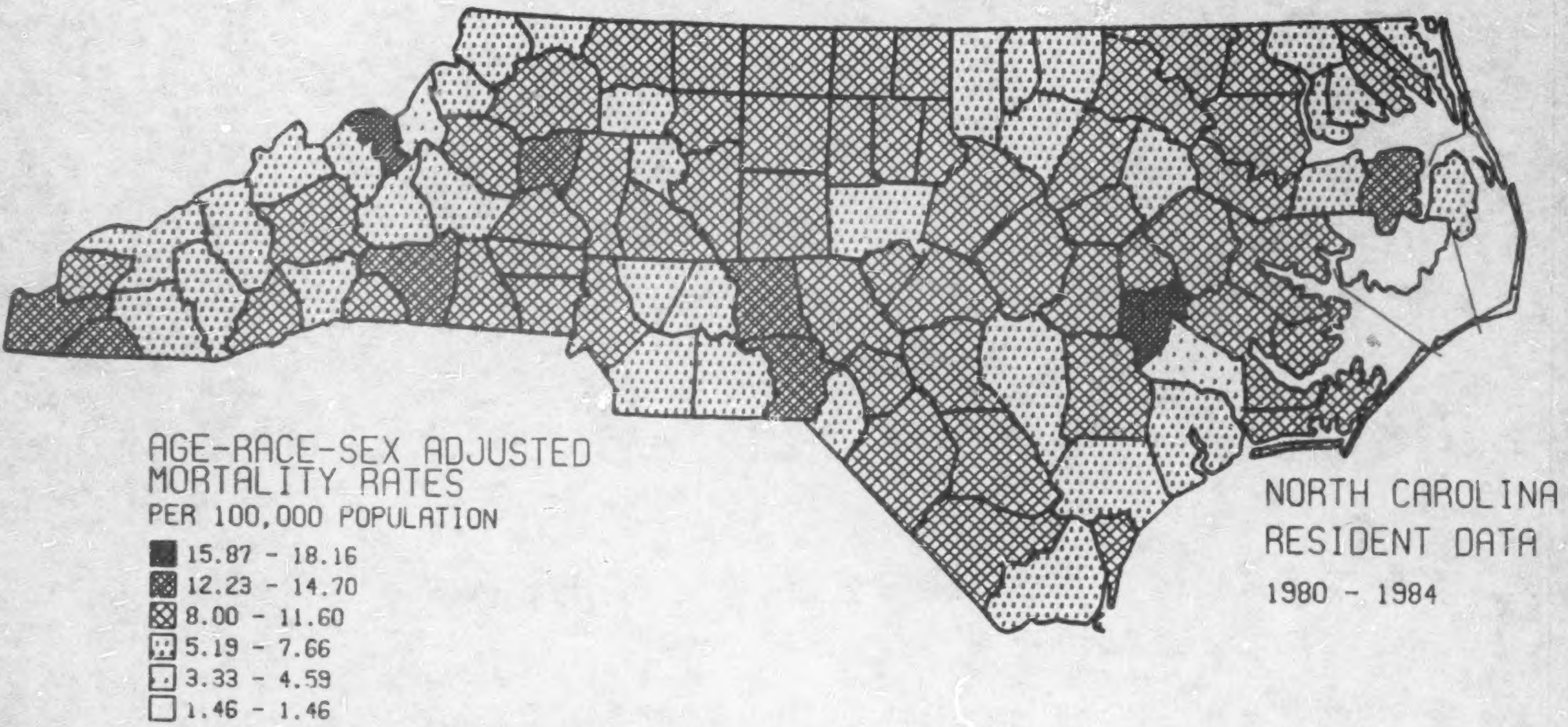

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
15.87 - 18.16
12.23 - 14.70
8.00 - 11.60
5.19 - 7.66
3.33 - 4.59
1.46 - 1.46
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 12.B

TABLE 13

MORTALITY STATISTICS FOR 1984

NORTH CAROLINA RESIDENTS

CANCER OF TRACHEA, BRONCHUS AND LUNG

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE* 1980-84
NORTH CAROLINA	2941	47.71	13357	44.33	44.33
REGIONS					
DHR I WESTERN	1043	49.46	4488	43.48	41.13
DHR II N. CENTRAL	592	45.35	2944	45.84	43.66
DHR III S. CENTRAL	599	41.65	2789	39.96	46.92
DHR IV EASTERN	707	53.56	3136	48.94	50.71
HSA I WESTERN	552	52.12	2296	44.15	39.61
HSA II PIEDMONT	499	43.28	2557	45.05	43.38
HSA III S. PIEDMONT	491	46.77	2192	42.81	43.26
HSA IV CAPITAL	410	46.53	1817	42.90	47.49
HSA V CARDINAL	426	45.40	1960	42.64	47.75
HSA VI EASTERN	563	51.96	2535	47.81	50.55
COUNTIES					
1 ALAMANCE	48	47.42	250	49.83	42.81
2 ALEXANDER	7	26.40	48	37.15	44.14
3 ALLEGHANY	7	70.92	31	63.37	51.70*
4 ANSON	14	53.69	62	48.00	46.63
5 ASHE	21	90.21	56	48.96	45.31
6 AVERY	9	60.13	32	43.31	32.47
7 BEAUFORT	23	53.71	117	56.10	52.03
8 BERTIE	15	70.23	69	64.85	66.27
9 BLADEN	19	61.85	91	59.30	56.29
10 BRUNSWICK	29	66.77	103	52.30	46.41
11 BUNCOMBE	103	62.19	414	50.65	43.35
12 BURKE	23	30.78	135	36.61	38.46
13 CABARRUS	50	54.69	205	46.06	41.59
14 CALDWELL	30	43.75	136	39.95	43.20
15 CAMDEN	2	34.27	10	34.59	31.07
16 CARTERET	29	61.54	144	65.18	54.61
17 CASWELL	8	36.72	45	42.22	40.81
18 CATAWBA	44	39.65	212	39.21	40.25
19 CHATHAM	20	57.18	70	40.79	36.90
20 CHEROKEE	15	75.08	50	51.43	40.28
21 CHOWAN	11	85.04	45	70.84	51.49
22 CLAY	5	70.77	21	60.66	31.84
23 CLEVELAND	45	53.33	164	39.12	37.59
24 COLUMBUS	27	52.08	126	48.78	45.84
25 CRAVEN	27	35.15	154	41.81	53.59
26 CUMBERLAND	84	32.99	355	28.25	53.31
27 CURRITUCK	12	93.18	42	70.38	62.02
28 DARE	12	73.29	37	49.47	32.54
29 DAVIDSON	46	39.36	221	38.50	37.51
30 DAVIE	10	36.52	55	40.00	38.24
31 DUPLIN	17	40.76	103	49.98	43.82
32 DURHAM	83	51.76	366	46.81	50.59
33 EDGECOMBE	38	65.81	142	50.05	53.52
34 FORSYTH	96	37.66	517	41.43	41.27
35 FRANKLIN	25	78.76	93	60.22	54.23
36 GASTON	99	58.92	397	47.94	48.25
37 GATES	4	43.55	25	55.15	47.25
38 GRAHAM	6	84.24	24	67.39	49.58
39 GRANVILLE	22	60.71	86	48.86	45.41
40 GREENE	11	66.75	42	51.64	58.60
41 GUILFORD	158	48.69	807	50.35	50.88

* SEE SECTION I

MORTALITY STATISTICS FOR 1984, NORTH CAROLINA RESIDENTS
CANCER OF TRACHEA, BRONCHUS AND LUNG CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
42 HALIFAX	43	77.19	150	53.99	48.48
43 HARNETT	29	46.67	138	45.18	47.18
44 HAYWOOD	32	67.60	111	47.25	40.96
45 HENDERSON	38	58.51	157	50.69	42.98
46 HERTFORD	15	63.00	57	48.24	42.31
47 HOKE	6	26.66	31	28.65	39.05
48 HYDE	4	67.44	18	60.58	48.70
49 IREDELL	40	46.18	175	41.37	37.82
50 JACKSON	8	29.42	45	33.76	33.67
51 JOHNSTON	39	51.99	190	52.30	49.36
52 JONES	4	40.60	11	22.53	23.49
53 LEE	16	40.77	94	49.69	50.58
54 LENOIR	42	69.16	180	59.80	59.54
55 LINCOLN	19	42.87	77	35.54	33.77
56 MCDOWELL	12	33.13	61	33.96	29.72
57 MACON	16	70.27	66	61.00	55.88
58 MADISON	7	40.79	39	45.45	30.35
59 MARTIN	15	56.02	68	51.64	45.73
60 MECKLENBURG	169	39.14	855	40.87	46.81
61 MITCHELL	8	56.12	37	51.49	32.11
62 MONTGOMERY	9	37.87	51	44.30	39.45
63 MOORE	25	46.24	149	57.12	42.84
64 NASH	37	52.61	143	41.50	40.86
65 NEW HANOVER	76	69.00	310	57.85	59.25
66 NORTHAMPTON	10	45.02	65	57.80	51.95
67 ONSLOW	27	22.47	128	22.11	45.92
68 ORANGE	25	30.82	125	31.70	42.97
69 PAMLICO	6	55.25	40	75.49	62.98
70 PASQUOTANK	19	65.53	73	51.03	49.06
71 PENDER	12	50.51	62	54.04	45.40
72 PERQUIMANS	4	40.26	35	72.39	53.58
73 PERSON	10	33.17	61	41.07	37.48
74 PITT	41	42.94	200	42.91	52.37
75 POLK	14	98.26	50	73.04	50.31
76 RANDOLPH	41	42.67	195	41.56	38.36
77 RICHMOND	12	26.30	105	46.09	42.36
78 ROBESON	44	41.70	188	36.23	46.50
79 ROCKINGHAM	39	45.78	187	44.17	39.97
80 ROWAN	61	60.06	242	48.04	38.60
81 RUTHERFORD	29	51.54	115	41.76	35.83
82 SAMPSON	24	47.66	126	50.42	44.84
83 SCOTLAND	16	47.34	63	38.10	45.05
84 STANLY	22	44.23	101	41.36	36.11
85 STOKES	13	37.08	72	41.96	43.01
86 SURRY	31	51.10	155	51.57	45.15
87 SWAIN	5	46.80	26	49.47	39.40
88 TRANSYLVANIA	17	68.21	69	56.94	48.00
89 TYRRELL	6	144.33	17	82.36	67.31
90 UNION	31	40.61	140	38.11	43.24
91 VANCE	22	58.36	98	52.68	50.04
92 WAKE	134	39.62	585	36.82	48.61
93 WARREN	14	85.01	49	60.06	54.25
94 WASHINGTON	5	34.80	39	53.52	50.67
95 WATAUGA	8	23.47	54	32.61	37.54
96 WAYNE	47	47.72	181	37.02	43.24
97 WILKES	31	51.27	106	35.54	29.97
98 WILSON	37	57.47	200	62.74	64.80
99 YADKIN	9	30.73	55	37.85	32.65
100 YANCEY	12	77.96	37	48.78	31.11

* SEE SECTION I

CANCER OF TRACHEA, BRONCHUS AND LUNG

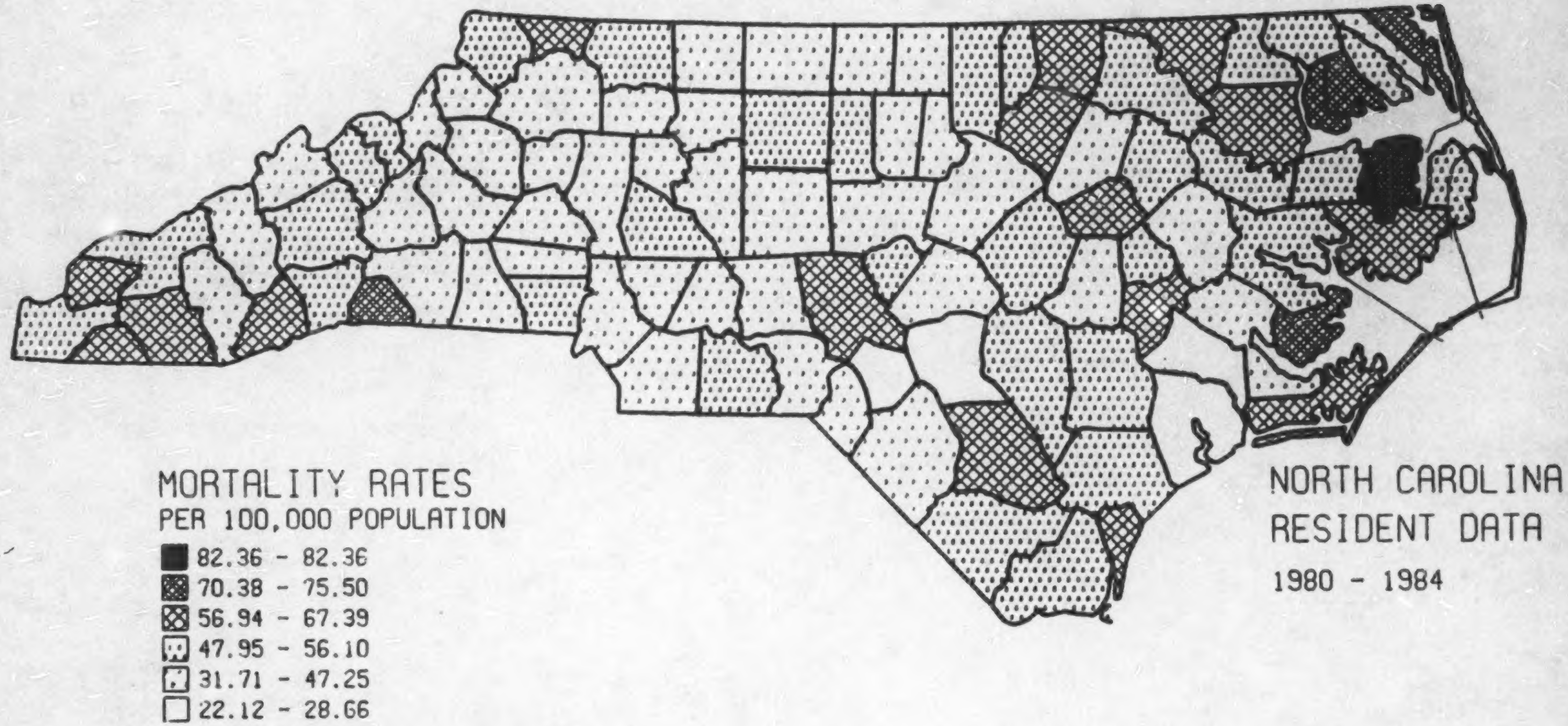

MORTALITY RATES
PER 100,000 POPULATION
■ 82.36 - 82.36
▩ 70.38 - 75.50
▨ 56.94 - 67.39
⠿ 47.95 - 56.10
⠅ 31.71 - 47.25
☐ 22.12 - 28.66
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 13.A

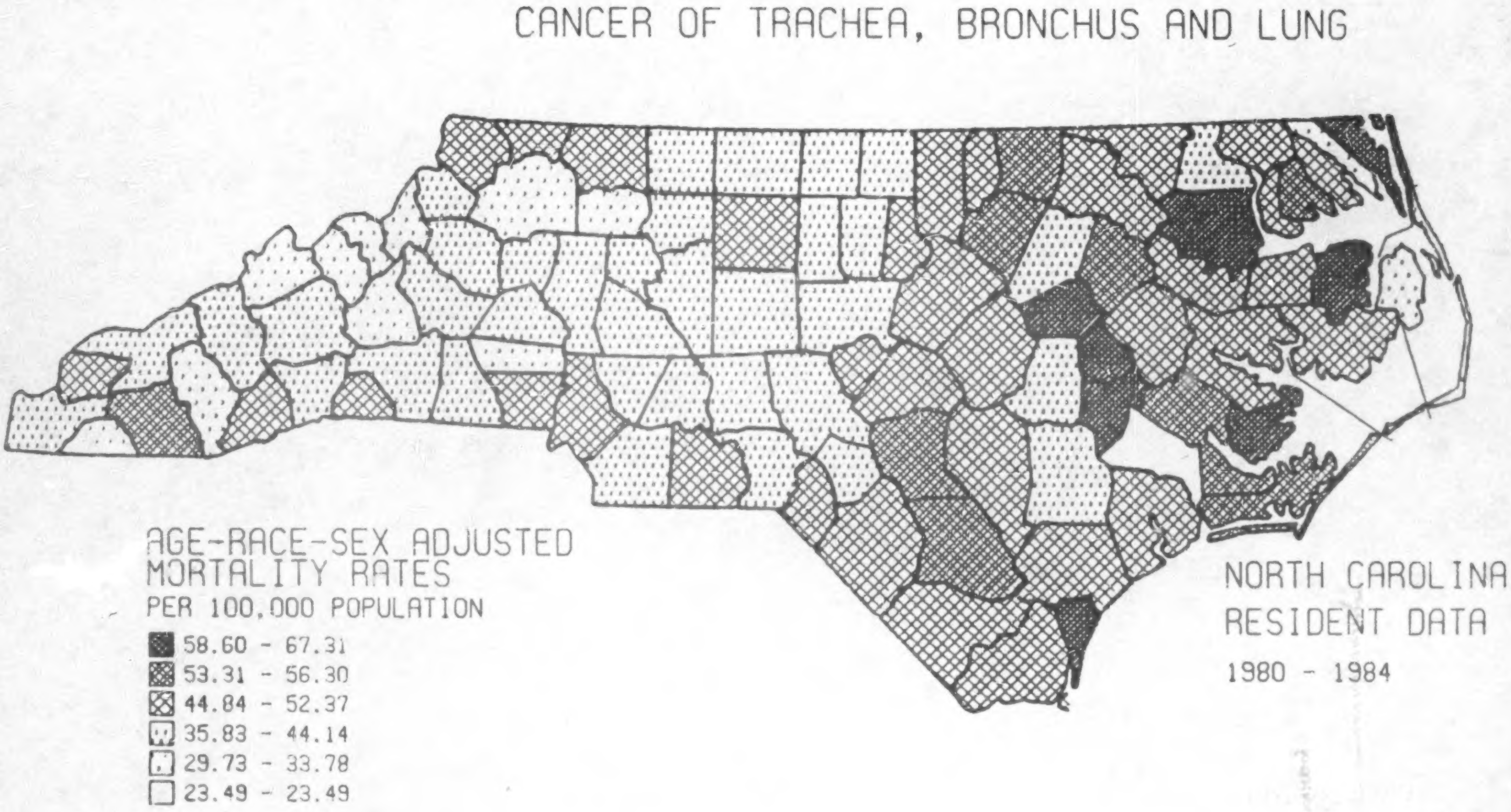

CANCER OF TRACHEA, BRONCHUS AND LUNG
AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
58.60 - 67.31
53.31 - 56.30
44.84 - 52.37
35.83 - 44.14
29.73 - 33.78
23.49 - 23.49
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 13.B

TABLE 14

MORTALITY STATISTICS FOR 1984

NORTH CAROLINA RESIDENTS

CANCER OF FEMALE BREAST

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
NORTH CAROLINA	918	28.92	4195	27.06	27.06
REGIONS					
DHR I WESTERN	319	29.23	1476	27.65	26.18
DHR II N. CENTRAL	208	30.58	967	28.91	27.80
DHR III S. CENTRAL	214	29.11	900	25.26	28.53
DHR IV EASTERN	177	26.49	852	26.15	26.45
HSA I WESTERN	172	31.47	770	28.69	25.76
HSA II PIEDMONT	188	31.25	852	28.78	28.10
HSA III S. PIEDMONT	147	26.99	706	26.59	26.52
HSA IV CAPITAL	143	31.37	602	27.47	29.42
HSA V CARDINAL	126	26.43	557	23.90	26.24
HSA VI EASTERN	142	25.85	708	26.37	26.81
COUNTIES					
1 ALAMANCE	12	22.52	85	32.26	28.31
2 ALEXANDER	6	44.99	17	26.14	27.50
3 ALLEGHANY	1	19.63	3	11.88	7.01
4 ANSON	8	57.59	19	27.69	24.26
5 ASHE	4	33.48	19	32.40	49.86
6 AVERY	0	0.00	10	27.03	21.59
7 BEAUFORT	3	13.34	29	26.51	23.75
8 BERTIE	6	53.05	24	42.74	44.01
9 BLADEN	3	18.88	14	17.67	16.44
10 BRUNSWICK	8	36.20	33	32.97	32.37
11 BUNCOMBE	34	39.04	142	33.04	28.19
12 BURKE	9	23.53	42	22.25	18.64
13 CABARRUS	20	42.11	80	34.61	31.41
14 CALDWELL	6	17.14	32	18.41	21.19
15 CAMDEN	2	66.93	6	40.51	36.22
16 CARTERET	7	29.61	33	29.74	25.32
17 CASWELL	4	36.29	18	33.41	33.56
18 CATAWBA	20	34.93	72	25.81	26.36
19 CHATHAM	7	39.32	23	26.35	24.49
20 CHEROKEE	3	28.92	22	43.64	29.19
21 CHOWAN	4	57.81	17	50.30	44.85
22 CLAY	1	28.15	7	40.18	27.08
23 CLEVELAND	14	31.91	55	25.27	23.87
24 COLUMBUS	6	22.21	24	17.86	17.64
25 CRAVEN	12	32.06	45	25.10	29.93
26 CUMBERLAND	20	16.44	108	18.05	28.45
27 CURRITUCK	2	31.87	10	34.38	31.32
28 DARE	0	0.00	6	16.00	11.79
29 DAVIDSON	16	26.70	75	25.50	25.77
30 DAVIE	4	28.85	15	22.34	27.37
31 DUPLIN	8	36.77	31	28.88	26.44
32 DURHAM	36	42.08	138	33.12	34.02
33 EDGECOMBE	7	22.62	32	21.14	22.39
34 FORSYTH	39	28.97	188	28.55	27.46
35 FRANKLIN	1	6.06	22	27.46	23.42
36 GASTON	25	28.52	101	23.40	23.52
37 GATES	3	65.30	6	26.48	20.79
38 GRAHAM	0	0.00	2	11.17	9.04
39 GRANVILLE	2	10.98	33	37.33	30.66
40 GREENE	1	11.85	8	19.23	20.16
41 GUILFORD	67	39.18	268	31.72	31.68

* SEE SECTION I

MORTALITY STATISTICS FOR 1984, NORTH CAROLINA RESIDENTS
CANCER OF FEMALE BREAST CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
42 HALIFAX	6	20.68	38	26.30	23.28
43 HARNETT	5	15.71	28	17.92	18.12
44 HAYWOOD	8	32.74	42	34.64	37.79
45 HENDERSON	11	32.53	60	37.21	27.39
46 HERTFORD	5	40.30	15	24.38	20.41
47 HOKE	4	34.78	10	18.17	21.00
48 HYDE	0	0.00	6	39.43	33.46
49 IREDELL	13	29.02	57	26.07	24.85
50 JACKSON	4	28.71	15	22.02	23.75
51 JOHNSTON	10	25.71	43	22.83	21.14
52 JONES	1	19.01	9	34.74	31.61
53 LEE	10	48.78	28	28.37	28.31
54 LENOIR	10	31.14	47	29.57	27.98
55 LINCOLN	3	13.27	24	21.73	25.94
56 MCDOWELL	3	16.10	23	24.89	23.71
57 MACON	4	34.07	23	41.29	23.52
58 MADISON	2	22.96	11	25.18	18.27
59 MARTIN	5	35.40	27	38.98	36.35
60 MECKLENBURG	55	24.46	288	26.44	28.86
61 MITCHELL	1	13.69	11	29.87	20.61
62 MONTGOMERY	5	41.35	19	32.39	28.56
63 MOORE	10	35.75	58	43.00	35.61
64 NASH	6	16.24	43	23.80	22.18
65 NEW HANOVER	16	27.74	66	23.54	23.78
66 NORTHAMPTON	6	53.21	14	24.51	25.63
67 ONSLOW	8	16.26	38	16.09	27.40
68 ORANGE	12	28.35	43	20.89	28.73
69 PAMLICO	1	17.68	6	21.81	18.36
70 PASQUOTANK	4	26.55	25	33.66	32.20
71 PENDER	5	41.22	21	35.91	32.66
72 PERQUIMANS	2	38.42	9	35.63	35.01
73 PERSON	3	19.18	15	19.50	18.14
74 PITT	13	25.74	66	26.79	32.17
75 POLK	2	26.75	9	25.02	18.65
76 RANDOLPH	12	24.34	55	22.86	25.18
77 RICHMOND	9	37.83	33	27.80	25.71
78 ROBESON	9	16.26	55	20.27	26.53
79 ROCKINGHAM	15	33.84	68	30.88	28.48
80 ROWAN	16	30.50	79	30.39	24.84
81 RUTHERFORD	16	54.47	52	36.18	29.56
82 SAMPSON	9	34.41	39	30.10	27.35
83 SCOTLAND	9	50.94	30	34.75	35.73
84 STANLY	7	27.16	36	28.48	23.28
85 STOKES	5	27.97	20	22.86	20.77
86 SURRY	10	31.85	40	25.70	28.90
87 SWAIN	2	35.96	13	47.67	40.77
88 TRANSYLVANIA	3	23.69	19	30.88	22.28
89 TYRRELL	1	45.47	4	36.69	34.24
90 UNION	8	20.50	41	21.87	24.73
91 VANCE	12	60.87	32	32.91	27.88
92 WAKE	48	27.88	212	26.19	31.70
93 WARREN	2	23.26	13	30.59	33.52
94 WASHINGTON	2	26.94	7	18.66	18.30
95 WATAUGA	9	51.84	18	21.30	19.59
96 WAYNE	11	21.69	66	26.26	26.02
97 WILKES	7	22.73	37	24.37	20.44
98 WILSON	6	17.59	41	24.33	22.79
99 YADKIN	4	26.88	20	27.05	19.73
100 YANCEY	2	25.37	14	36.09	24.84

* SEE SECTION I

CANCER OF FEMALE BREAST

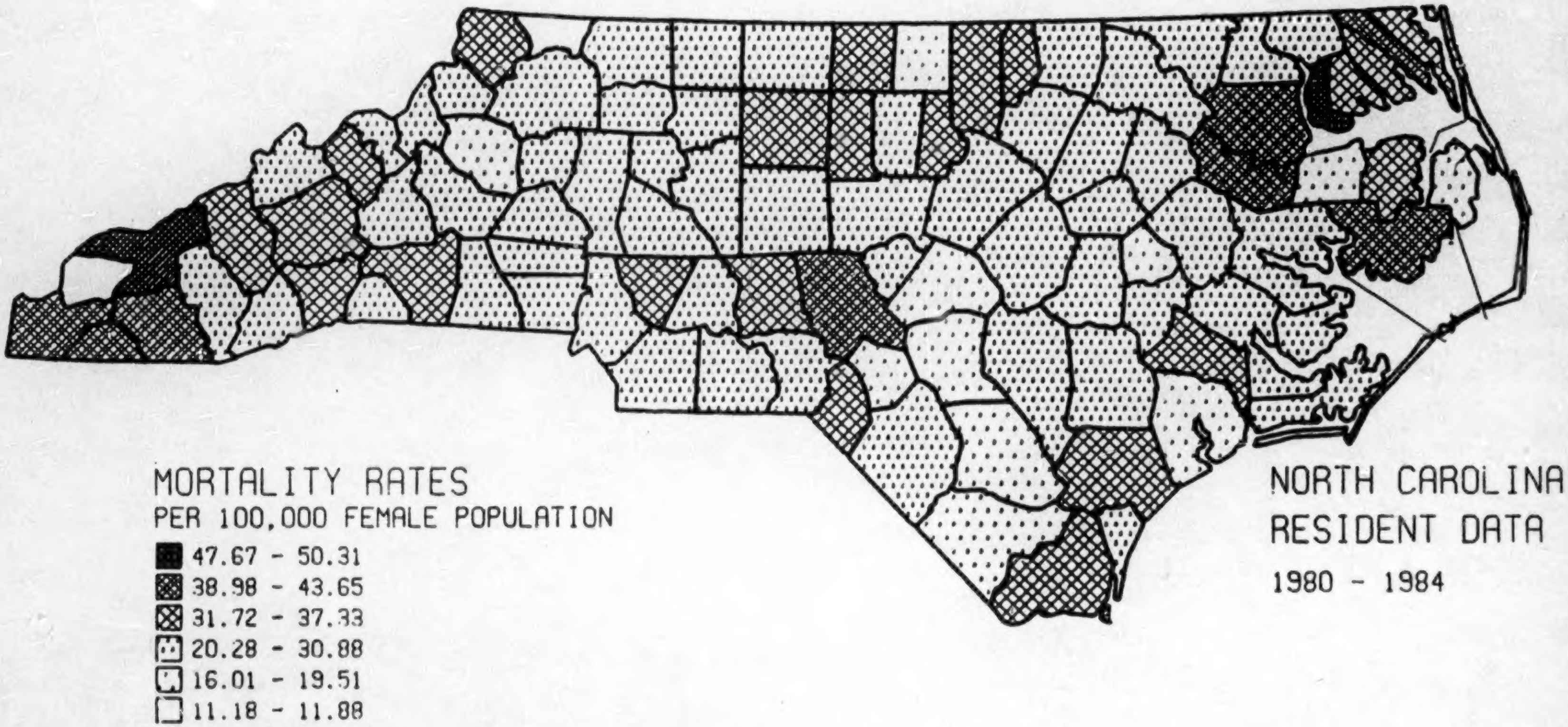

MORTALITY RATES
PER 100,000 FEMALE POPULATION
■ 47.67 - 50.31
▩ 38.98 - 43.65
▨ 31.72 - 37.33
⛶ 20.28 - 30.88
☐ 16.01 - 19.51
☐ 11.18 - 11.88
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 14.A

CANCER OF FEMALE BREAST

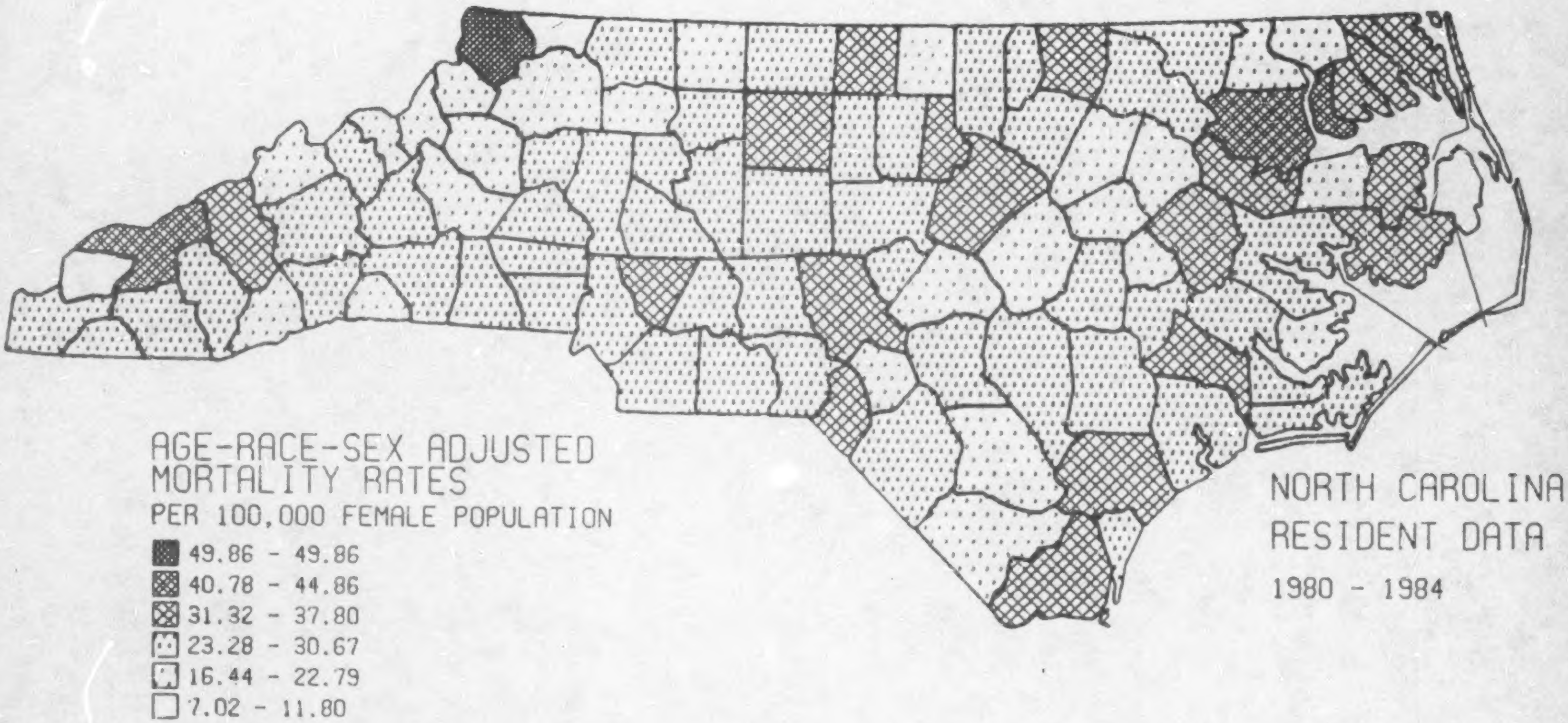

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 FEMALE POPULATION
▩ 49.86 - 49.86
▩ 40.78 - 44.86
▨ 31.32 - 37.80
⠿ 23.28 - 30.67
⠃ 16.44 - 22.79
☐ 7.02 - 11.80
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 14.B

TABLE 15

MORTALITY STATISTICS FOR 1984

NORTH CAROLINA RESIDENTS

CANCER OF CERVIX UTERI

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE* 1980-84
NORTH CAROLINA	149	4.69	782	5.04	5.04
REGIONS					
DHR I WESTERN	43	3.94	239	4.47	4.99
DHR II N. CENTRAL	33	4.85	169	5.05	4.95
DHR III S. CENTRAL	38	5.17	168	4.71	4.66
DHR IV EASTERN	35	5.23	206	6.32	5.52
HSA I WESTERN	20	3.65	128	4.77	5.66
HSA II PIEDMONT	23	3.82	142	4.79	4.89
HSA III S. PIEDMONT	23	4.22	111	4.18	4.52
HSA IV CAPITAL	22	4.82	94	4.29	4.10
HSA V CARDINAL	29	6.08	122	5.23	5.03
HSA VI EASTERN	32	5.82	185	6.89	5.98
COUNTIES					
1 ALAMANCE	7	13.14	14	5.31	5.00
2 ALEXANDER	0	0.00	2	3.07	2.25
3 ALLEGHANY	0	0.00	0	0.00	0.00
4 ANSON	2	14.39	5	7.28	4.61
5 ASHE	0	0.00	0	0.00	0.00
6 AVERY	1	13.31	1	2.70	2.74
7 BEAUFORT	1	4.44	9	8.22	7.51
8 BERTIE	0	0.00	6	10.68	7.84
9 BLADEN	0	0.00	6	7.57	5.93
10 BRUNSWICK	0	0.00	5	4.99	4.99
11 BUNCOMBE	2	2.29	28	6.51	6.29
12 BURKE	1	2.61	10	5.29	9.04
13 CABARRUS	2	4.21	8	3.46	3.41
14 CALDWELL	2	5.71	8	4.60	7.35
15 CAMDEN	0	0.00	2	13.50	13.65
16 CARTERET	1	4.23	10	9.01	10.14
17 CASWELL	0	0.00	3	5.56	4.25
18 CATAWBA	1	1.74	13	4.66	6.36
19 CHATHAM	0	0.00	2	2.29	2.14
20 CHEROKEE	0	0.00	1	1.98	1.56
21 CHOWAN	0	0.00	2	5.91	4.47
22 CLAY	0	0.00	0	0.00	0.00
23 CLEVELAND	2	4.55	8	3.67	3.72
24 COLUMBUS	1	3.70	6	4.46	3.84
25 CRAVEN	3	8.01	9	5.02	4.93
26 CUMBERLAND	7	5.75	29	4.84	7.00
27 CURRITUCK	0	0.00	0	0.00	0.00
28 DARE	0	0.00	0	0.00	0.00
29 DAVIDSON	4	6.67	15	5.10	5.77
30 DAVIE	0	0.00	4	5.95	7.43
31 DUPLIN	2	9.19	6	5.59	5.09
32 DURHAM	5	5.84	18	4.32	3.63
33 EDGECOMBE	2	6.46	13	8.58	7.49
34 FORSYTH	2	1.48	26	3.94	3.69
35 FRANKLIN	1	6.06	2	2.49	2.08
36 GASTON	5	5.70	24	5.56	5.49
37 GATES	0	0.00	0	0.00	0.00
38 GRAHAM	0	0.00	1	5.58	4.74
39 GRANVILLE	2	10.98	9	10.18	6.64
40 GREENE	0	0.00	5	12.02	8.21
41 GUILFORD	6	3.50	45	5.32	5.32

* SEE SECTION I

MORTALITY STATISTICS FOR 1984, NORTH CAROLINA RESIDENTS
CANCER OF CERVIX UTERI CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
42 HALIFAX	2	6.89	17	11.76	8.98
43 HARNETT	1	3.14	8	5.12	5.43
44 HAYWOOD	0	0.00	6	4.94	3.45
45 HENDERSON	1	2.95	6	3.72	2.72
46 HERTFORD	2	16.12	10	16.25	10.37
47 HOKE	0	0.00	3	5.45	5.01
48 HYDE	0	0.00	1	6.57	4.00
49 IREDELL	3	6.69	9	4.11	4.02
50 JACKSON	0	0.00	2	2.93	5.60
51 JOHNSTON	2	5.14	9	4.77	4.68
52 JONES	0	0.00	2	7.72	6.42
53 LEE	1	4.87	8	8.10	8.26
54 LENOIR	0	0.00	8	5.03	3.92
55 LINCOLN	0	0.00	4	3.62	4.95
56 MCDOWELL	1	5.36	5	5.41	4.34
57 MACON	0	0.00	3	5.38	2.97
58 MADISON	1	11.48	3	6.86	5.69
59 MARTIN	1	7.08	5	7.21	5.97
60 MECKLENBURG	7	3.11	47	4.31	4.39
61 MITCHELL	1	13.69	2	5.43	3.62
62 MONTGOMERY	0	0.00	4	6.81	6.87
63 MOORE	5	17.87	12	8.89	8.03
64 NASH	2	5.41	12	6.64	5.57
65 NEW HANOVER	1	1.73	8	2.85	2.74
66 NORTHAMPTON	3	26.60	10	17.51	9.47
67 ONSLOW	1	2.03	2	0.84	1.00
68 ORANGE	0	0.00	6	2.91	3.96
69 PAMLICO	0	0.00	2	7.27	4.06
70 PASQUOTANK	3	19.91	8	10.77	8.72
71 PENDER	1	8.24	2	3.42	1.73
72 PERQUIMANS	0	0.00	1	3.95	1.60
73 PERSON	2	12.78	4	5.20	4.45
74 PITT	5	9.90	17	6.90	6.11
75 POLK	0	0.00	1	2.78	1.24
76 RANDOLPH	1	2.02	9	3.74	6.62
77 RICHMOND	4	16.81	9	7.58	6.44
78 ROBESON	5	9.03	10	3.68	3.02
79 ROCKINGHAM	2	4.51	14	6.35	5.97
80 ROWAN	4	7.62	9	3.46	3.30
81 RUTHERFORD	1	3.40	7	4.87	5.11
82 SAMPSON	1	3.82	7	5.40	4.39
83 SCOTLAND	1	5.66	8	9.26	8.08
84 STANLY	0	0.00	2	1.58	3.20
85 STOKES	0	0.00	2	2.28	1.87
86 SURRY	1	3.18	9	5.78	6.94
87 SWAIN	0	0.00	4	14.66	14.44
88 TRANSYLVANIA	1	7.89	1	1.62	1.16
89 TYRRELL	0	0.00	0	0.00	0.00
90 UNION	2	5.12	8	4.26	4.60
91 VANCE	2	10.14	9	9.25	8.24
92 WAKE	4	2.32	24	2.96	3.39
93 WARREN	3	34.89	3	7.06	6.00
94 WASHINGTON	1	13.47	2	5.33	3.25
95 WATAUGA	0	0.00	4	4.73	19.35
96 WAYNE	1	1.97	9	3.58	2.86
97 WILKES	5	16.24	11	7.24	7.69
98 WILSON	2	5.86	17	10.08	9.17
99 YADKIN	0	0.00	1	1.35	5.93
100 YANCEY	0	0.00	1	2.57	2.03

* SEE SECTION I

CANCER OF THE CERVIX UTERI

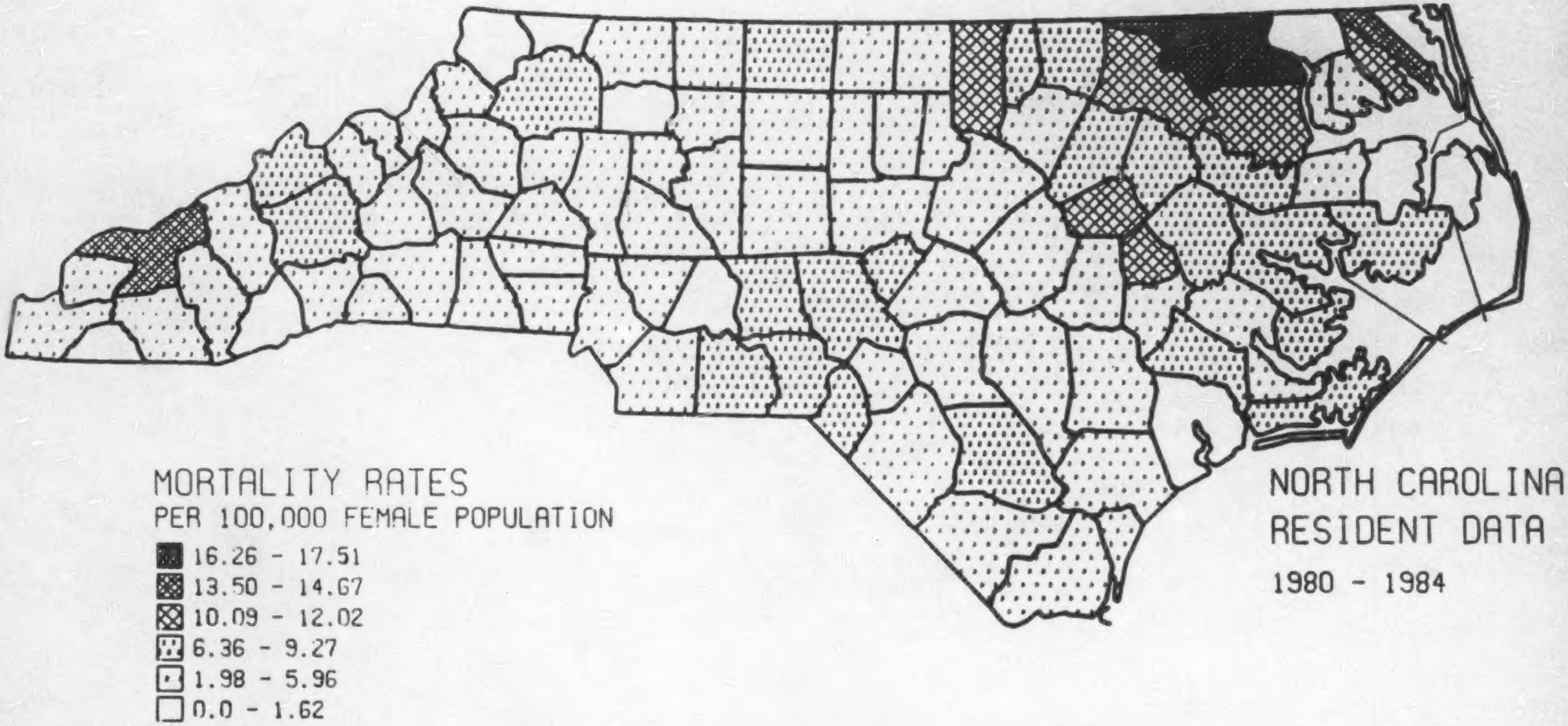

MORTALITY RATES
PER 100,000 FEMALE POPULATION
■ 16.26 - 17.51
▩ 13.50 - 14.67
▨ 10.09 - 12.02
⁘ 6.36 - 9.27
⊡ 1.98 - 5.96
☐ 0.0 - 1.62
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 15.A

CANCER OF THE CERVIX UTERI

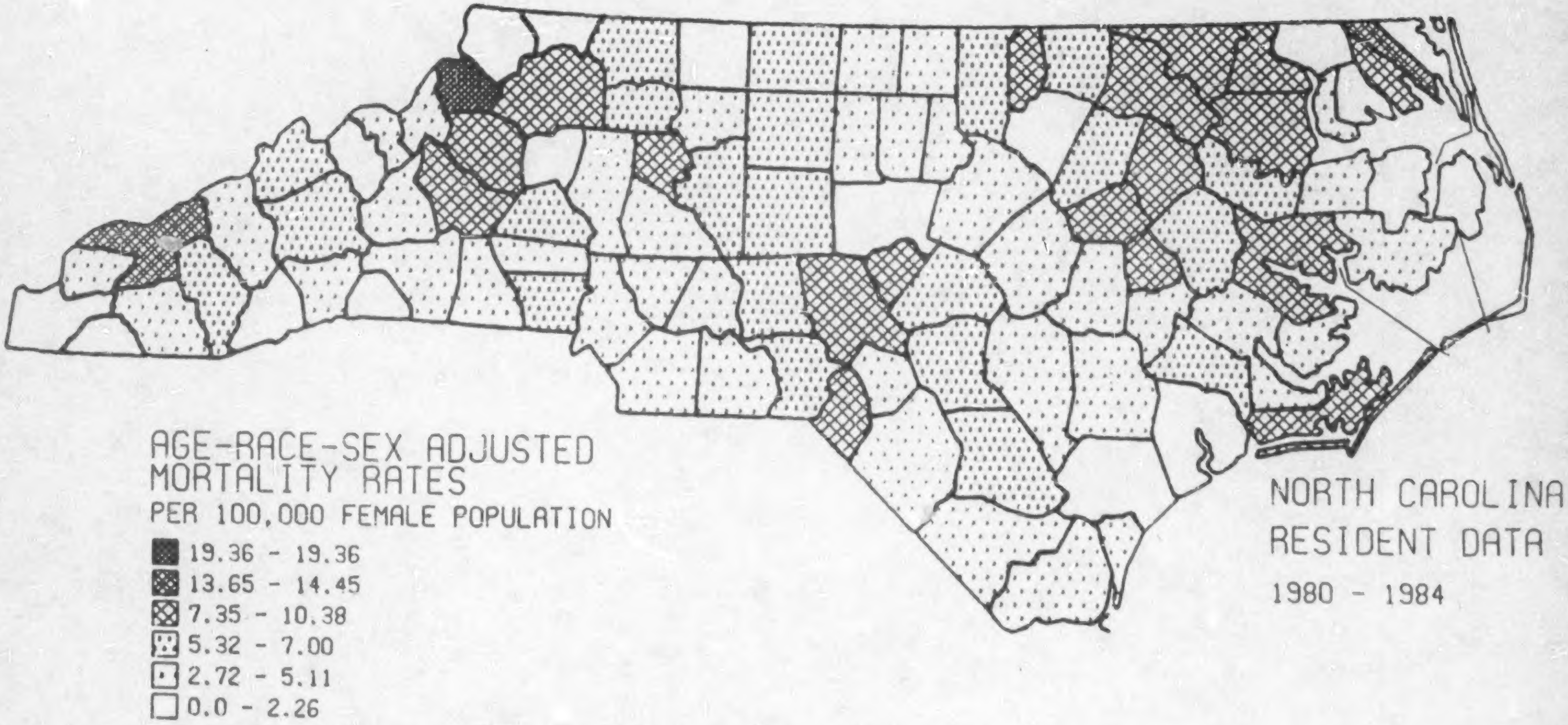

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 FEMALE POPULATION
▩ 19.36 - 19.36
▩ 13.65 - 14.45
▨ 7.35 - 10.38
▦ 5.32 - 7.00
☐ 2.72 - 5.11
☐ 0.0 - 2.26
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 15.B

TABLE 16

MORTALITY STATISTICS FOR 1984

NORTH CAROLINA RESIDENTS

CANCER OF OVARY AND OTHER UTERINE ADNEXA

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
NORTH CAROLINA	273	8.60	1222	7.88	7.88
REGIONS					
DHR I WESTERN	103	9.44	432	8.09	7.63
DHR II N. CENTRAL	68	9.99	309	9.23	8.78
DHR III S. CENTRAL	49	6.66	214	6.00	6.92
DHR IV EASTERN	53	7.93	267	8.19	8.35
HSA I WESTERN	54	9.88	240	8.94	8.13
HSA II PIEDMONT	57	9.47	274	9.25	8.75
HSA III S. PIEDMONT	49	8.99	192	7.23	7.23
HSA IV CAPITAL	34	7.45	143	6.52	7.06
HSA V CARDINAL	38	7.97	162	6.95	7.80
HSA VI EASTERN	41	7.46	211	7.86	8.01
COUNTIES					
1 ALAMANCE	4	7.50	18	6.83	5.85
2 ALEXANDER	1	7.49	4	6.15	5.61
3 ALLEGHANY	1	19.63	1	3.96	2.67
4 ANSON	0	0.00	5	7.28	7.25
5 ASHE	2	16.74	6	10.23	6.68
6 AVERY	2	26.62	4	10.81	8.53
7 BEAUFORT	4	17.79	9	8.22	7.26
8 BERTIE	1	8.84	6	10.68	3.64
9 BLADEN	3	18.88	5	6.31	7.03
10 BRUNSWICK	2	9.05	16	15.98	16.21
11 BUNCOMBE	16	18.37	53	12.33	10.23
12 BURKE	2	5.23	11	5.82	8.23
13 CABARRUS	4	8.42	24	10.38	9.75
14 CALDWELL	5	14.28	15	8.63	9.04
15 CAMDEN	0	0.00	1	6.75	5.93
16 CARTERET	2	8.46	12	10.81	9.69
17 CASWELL	2	18.14	8	14.85	16.48
18 CATAWBA	4	6.98	20	7.16	6.89
19 CHATHAM	1	5.61	5	5.72	5.54
20 CHEROKEE	1	9.64	10	19.83	22.81
21 CHOWAN	0	0.00	1	2.95	1.38
22 CLAY	0	0.00	1	5.74	3.24
23 CLEVELAND	3	6.83	15	6.89	6.45
24 COLUMBUS	1	3.70	3	2.23	2.14
25 CRAVEN	2	5.34	8	4.46	6.31
26 CUMBERLAND	7	5.75	18	3.00	4.84
27 CURRITUCK	0	0.00	0	0.00	0.00
28 DARE	0	0.00	1	2.66	1.65
29 DAVIDSON	8	13.35	40	13.60	13.40
30 DAVIE	1	7.21	6	8.93	8.12
31 DUPLIN	3	13.79	12	11.18	9.87
32 DURHAM	4	4.67	24	5.76	5.76
33 EDGECOMBE	5	16.15	13	8.58	9.75
34 FORSYTH	9	6.68	64	9.72	9.61
35 FRANKLIN	2	12.12	7	8.73	9.46
36 GASTON	7	7.98	36	8.34	8.09
37 GATES	1	21.76	1	4.41	1.80
38 GRAHAM	1	27.90	2	11.17	8.49
39 GRANVILLE	3	16.48	6	6.78	5.36
40 GREENE	0	0.00	0	0.00	0.00
41 GUILFORD	18	10.52	77	9.11	9.04

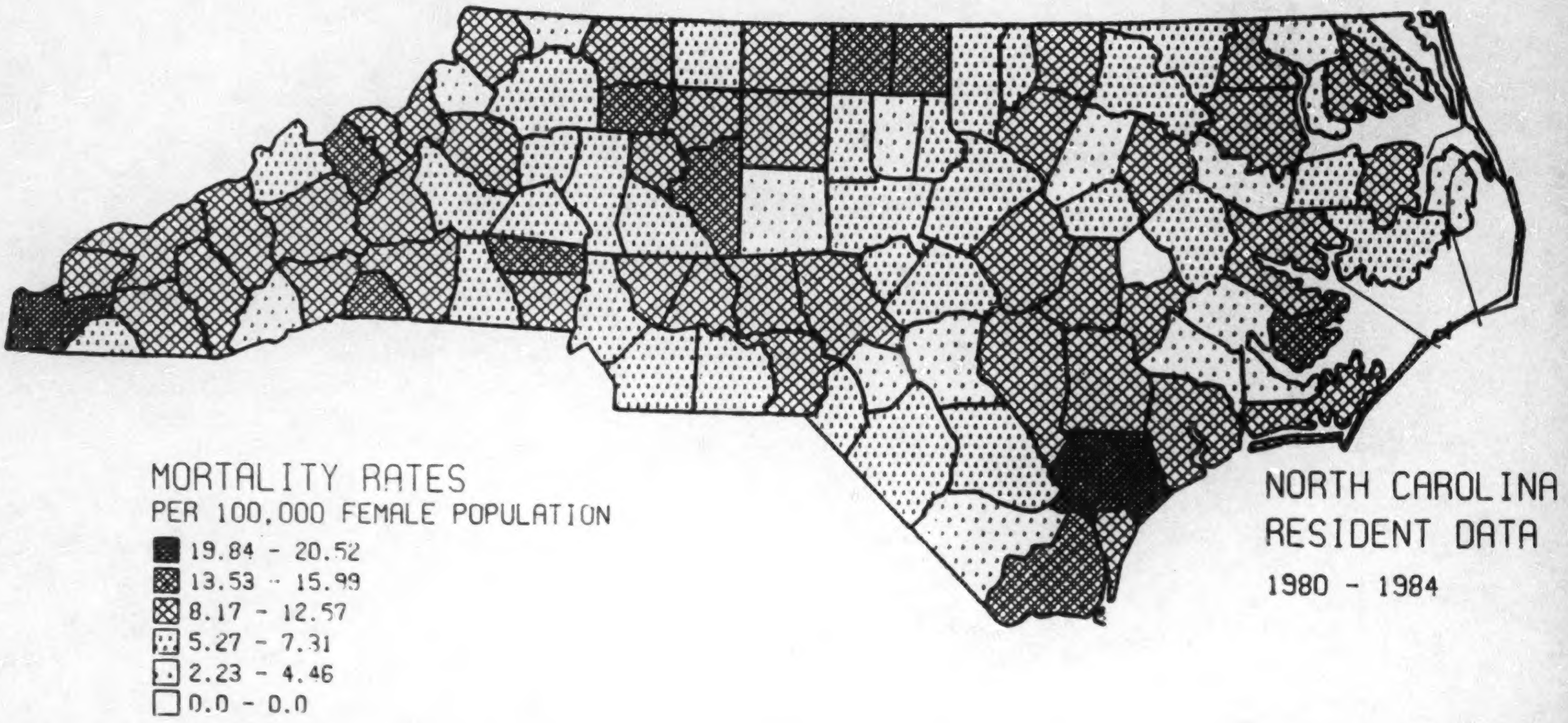
* SEE SECTION I

MORTALITY STATISTICS FOR 1984, NORTH CAROLINA RESIDENTS
CANCER OF OVARY AND OTHER UTERINE ADNEXA CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
42 HALIFAX	0	0.00	9	6.23	6.45
43 HARNETT	3	9.42	9	5.76	5.82
44 HAYWOOD	1	4.09	10	8.24	5.26
45 HENDERSON	2	5.91	17	10.54	6.51
46 HERTFORD	1	8.06	7	11.38	8.42
47 HOKE	0	0.00	2	3.63	4.06
48 HYDE	0	0.00	1	6.57	7.36
49 IREDELL	5	11.16	12	5.48	4.58
50 JACKSON	1	7.17	6	8.80	8.12
51 JOHNSTON	2	5.14	17	9.02	8.44
52 JONES	0	0.00	1	3.86	5.17
53 LEE	1	4.87	7	7.09	7.10
54 LENOIR	5	15.57	19	11.95	11.39
55 LINCOLN	2	8.85	15	13.58	13.82
56 MCDOWELL	5	26.83	9	9.74	7.85
57 MACON	0	0.00	7	12.56	7.85
58 MADISON	1	11.48	3	6.86	5.57
59 MARTIN	1	7.08	3	4.33	5.49
60 MECKLENBURG	22	9.78	63	5.78	6.53
61 MITCHELL	0	0.00	4	10.86	6.91
62 MONTGOMERY	0	0.00	5	8.52	7.85
63 MOORE	4	14.30	14	10.37	8.57
64 NASH	0	0.00	5	2.76	2.66
65 NEW HANOVER	6	10.40	25	8.91	9.16
66 NORTHAMPTON	1	8.86	4	7.00	7.31
67 ONSLOW	3	6.10	23	9.74	18.42
68 ORANGE	2	4.72	8	3.88	5.51
69 PAMLICO	0	0.00	4	14.54	12.42
70 PASQUOTANK	2	13.27	9	12.11	12.21
71 PENDER	3	24.73	12	20.52	21.20
72 PERQUIMANS	1	19.21	3	11.87	8.33
73 PERSON	1	6.39	11	14.30	14.28
74 PITT	2	3.96	17	6.90	8.02
75 POLK	0	0.00	5	13.90	11.32
76 RANDOLPH	2	4.05	10	4.15	3.59
77 RICHMOND	0	0.00	11	9.26	8.45
78 ROBESON	1	1.80	16	5.89	8.16
79 ROCKINGHAM	2	4.51	18	8.17	7.42
80 ROWAN	4	7.62	19	7.31	5.73
81 RUTHERFORD	1	3.40	15	10.43	7.92
82 SAMPSON	6	22.94	16	12.34	11.25
83 SCOTLAND	2	11.32	5	5.79	6.39
84 STANLY	3	11.64	12	9.49	10.37
85 STOKES	3	16.78	6	6.85	8.41
86 SURRY	6	19.11	17	10.92	9.77
87 SWAIN	2	35.96	3	11.00	8.89
88 TRANSYLVANIA	0	0.00	2	3.25	2.31
89 TYRRELL	0	0.00	1	9.17	8.90
90 UNION	2	5.12	11	5.86	6.74
91 VANCE	4	20.29	6	6.17	3.67
92 WAKE	13	7.55	47	5.80	7.15
93 WARREN	1	11.63	5	11.76	9.25
94 WASHINGTON	0	0.00	2	5.33	3.31
95 WATAUGA	0	0.00	3	3.55	3.37
96 WAYNE	4	7.88	27	10.74	12.09
97 WILKES	1	3.24	8	5.26	6.23
98 WILSON	3	8.79	12	7.12	6.69
99 YADKIN	2	13.44	10	13.52	14.11
100 YANCEY	2	25.37	6	15.46	10.98

* SEE SECTION I

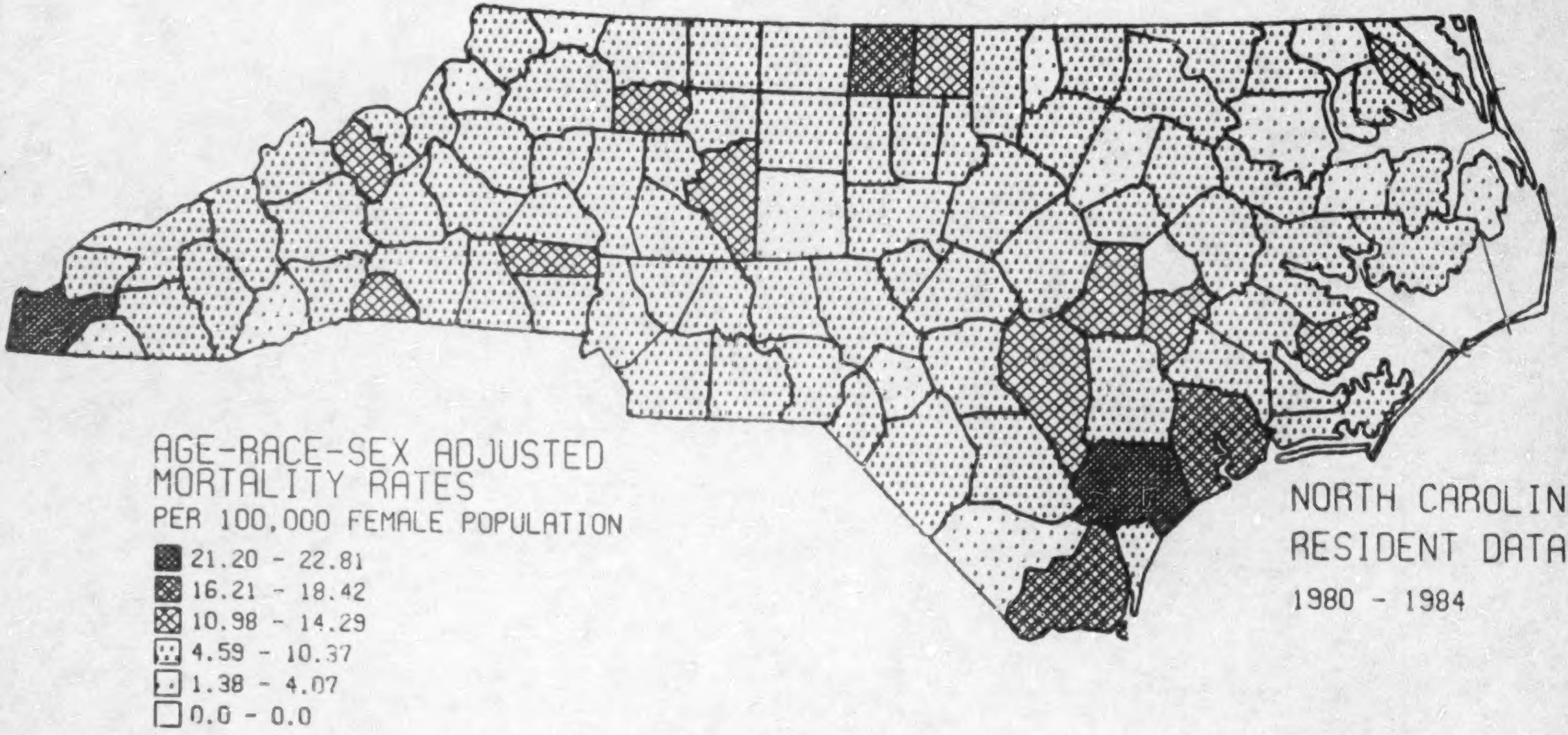
CANCER OF OVARY AND OTHER UTERINE ADNEXA


MORTALITY RATES
PER 100,000 FEMALE POPULATION
19.84 - 20.52
13.53 - 15.99
8.17 - 12.57
5.27 - 7.31
2.23 - 4.46
0.0 - 0.0

NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 16.A

CANCER OF OVARY AND OTHER UTERINE ADNEXA


AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 FEMALE POPULATION
▩ 21.20 - 22.81
▩ 16.21 - 18.42
▨ 10.98 - 14.29
▤ 4.59 - 10.37
▢ 1.38 - 4.07
☐ 0.0 - 0.0

NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 16.B

TABLE 17

MORTALITY STATISTICS FOR 1984

NORTH CAROLINA RESIDENTS

CANCER OF PROSTATE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE* 1980-84
NORTH CAROLINA	668	22.34	3202	21.89	21.89
REGIONS					
DHR I WESTERN	203	19.95	1058	21.23	21.39
DHR II N. CENTRAL	161	25.75	724	23.53	22.65
DHR III S. CENTRAL	140	19.91	658	19.25	21.49
DHR IV EASTERN	164	25.44	762	24.19	22.26
HSA I WESTERN	111	21.66	569	22.60	21.13
HSA II PIEDMONT	142	25.75	629	23.16	23.32
HSA III S. PIEDMONT	92	18.21	489	19.83	21.60
HSA IV CAPITAL	88	20.69	403	19.71	20.03
HSA V CARDINAL	98	21.22	485	21.40	22.43
HSA VI EASTERN	137	25.64	627	23.95	22.11
COUNTIES					
1 ALAMANCE	19	39.61	59	24.77	22.86
2 ALEXANDER	3	22.77	12	18.69	23.85
3 ALLEGHANY	2	41.88	4	16.90	9.80
4 ANSON	2	16.41	16	26.42	16.83
5 ASHE	6	52.94	16	28.70	16.23
6 AVERY	2	26.83	14	37.94	27.43
7 BEAUFORT	11	54.08	33	33.27	23.97
8 BERTIE	5	49.76	20	39.80	27.43
9 BLADEN	4	26.96	14	18.85	14.61
10 BRUNSWICK	3	14.06	15	15.48	13.83
11 BUNCOMBE	14	17.83	107	27.60	23.82
12 BURKE	7	19.19	34	18.89	23.82
13 CABARRUS	2	4.55	26	12.15	12.20
14 CALDWELL	8	23.83	26	15.60	17.62
15 CAMDEN	0	0.00	9	63.87	48.54
16 CARTERET	3	12.77	28	25.45	26.48
17 CASWELL	2	18.58	14	26.56	20.20
18 CATAWBA	7	13.03	49	18.72	24.88
19 CHATHAM	7	40.75	20	23.72	19.26
20 CHEROKEE	2	20.82	14	29.91	15.10
21 CHOWAN	2	33.24	13	43.73	23.37
22 CLAY	1	28.46	1	5.81	2.60
23 CLEVELAND	8	19.75	44	21.83	20.36
24 COLUMBUS	7	28.18	33	26.62	23.50
25 CRAVEN	4	10.15	38	20.10	24.51
26 CUMBERLAND	15	11.28	74	11.24	23.98
27 CURRITUCK	3	45.43	10	32.69	31.31
28 DARE	2	24.53	6	16.08	10.76
29 DAVIDSON	9	15.81	42	15.00	15.57
30 DAVIE	2	14.79	14	21.42	24.95
31 DUPLIN	12	60.13	32	32.40	25.13
32 DURHAM	16	21.39	87	23.81	21.69
33 EDGECOMBE	8	29.85	41	30.97	24.10
34 FORSYTH	35	29.10	142	24.09	23.70
35 FRANKLIN	2	13.11	14	18.83	10.65
36 GASTON	15	18.66	74	18.66	21.66
37 GATES	4	87.14	6	26.46	17.03
38 GRAHAM	0	0.00	5	28.21	39.93
39 GRANVILLE	2	11.09	25	28.54	19.99
40 GREENE	0	0.00	10	25.16	20.85
41 GUILFORD	46	29.96	207	27.31	27.87

* SEE SECTION I

MORTALITY STATISTICS FOR 1984, NORTH CAROLINA RESIDENTS
CANCER OF PROSTATE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
42 HALIFAX	5	18.72	40	29.99	21.49
43 HARNETT	10	32.98	44	29.48	31.16
44 HAYWOOD	4	17.46	21	18.47	10.67
45 HENDERSON	6	19.27	44	29.63	22.86
46 HERTFORD	5	43.85	25	44.13	26.40
47 HOKE	3	27.26	8	15.05	19.84
48 HYDE	0	0.00	5	34.48	14.97
49 IREDELL	10	23.90	45	22.01	19.75
50 JACKSON	1	7.54	12	18.41	12.82
51 JOHNSTON	9	24.91	35	20.00	19.31
52 JONES	3	65.30	10	43.66	27.04
53 LEE	5	26.67	21	23.21	23.48
54 LENOIR	9	31.44	35	24.63	22.01
55 LINCOLN	6	27.62	21	19.77	20.26
56 MCDOWELL	1	5.68	8	9.17	6.58
57 MACON	8	72.52	26	49.52	37.00*
58 MADISON	3	35.50	16	37.97	21.01
59 MARTIN	8	63.23	19	30.44	21.76
60 MECKLENBURG	33	15.95	203	20.24	24.79
61 MITCHELL	1	14.38	10	28.53	14.51
62 MONTGOMERY	2	17.13	14	24.80	20.88
63 MOORE	9	34.48	48	38.11	25.46
64 NASH	11	32.93	36	21.97	20.66
65 NEW HANOVER	10	19.05	61	23.87	24.94
66 NORTHAMPTON	2	18.28	18	32.52	15.21
67 ONSLOW	3	4.22	18	5.25	16.58
68 ORANGE	6	15.47	27	14.33	17.29
69 PAMLICO	1	19.21	5	19.62	12.20
70 PASQUOTANK	5	35.89	22	31.99	27.29
71 PENDER	7	60.22	26	46.23	30.73
72 PERQUIMANS	0	0.00	7	30.31	14.31
73 PERSON	5	34.46	14	19.54	17.20
74 PITT	11	24.46	44	20.02	20.82
75 POLK	2	29.53	11	33.85	18.28
76 RANDOLPH	8	17.10	39	17.05	18.63
77 RICHMOND	5	22.89	20	18.33	15.52
78 ROBESON	12	23.91	71	28.68	26.22
79 ROCKINGHAM	10	24.47	43	21.16	19.37
80 ROWAN	12	24.43	65	26.65	21.49
81 RUTHERFORD	6	22.31	27	20.50	18.59
82 SAMPSON	7	28.92	28	23.27	17.53
83 SCOTLAND	2	12.39	13	16.44	19.31
84 STANLY	9	37.54	30	25.47	24.15
85 STOKES	2	11.64	16	19.02	25.10
86 SURRY	4	13.66	36	24.84	27.54
87 SWAIN	4	78.09	12	47.46	35.55
88 TRANSYLVANIA	4	32.62	7	11.73	7.60
89 TYRRELL	2	102.14	4	41.07	23.74*
90 UNION	5	13.40	25	13.89	16.52
91 VANCE	6	33.36	26	29.28	21.48
92 WAKE	26	15.65	118	15.13	21.16
93 WARREN	4	50.82	16	40.93	13.84
94 WASHINGTON	6	86.40	13	36.75	25.89
95 WATAUGA	2	11.96	11	13.57	10.16
96 WAYNE	7	14.65	48	20.20	22.30
97 WILKES	5	16.84	28	19.12	22.18
98 WILSON	5	16.51	32	21.29	16.88
99 YADKIN	5	34.69	17	23.81	23.43
100 YANCEY	4	53.25	10	26.99	14.53

* SEE SECTION I

CANCER OF THE PROSTATE

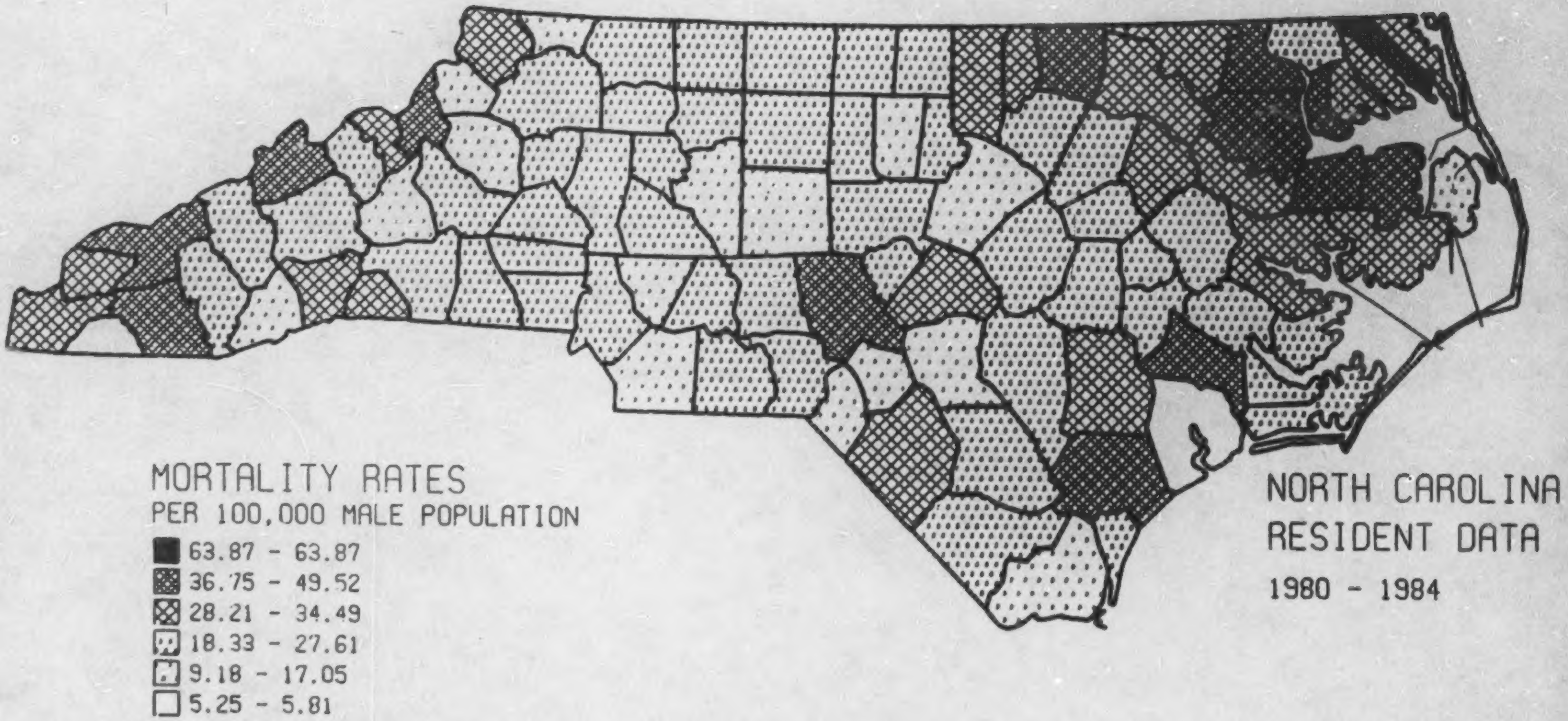
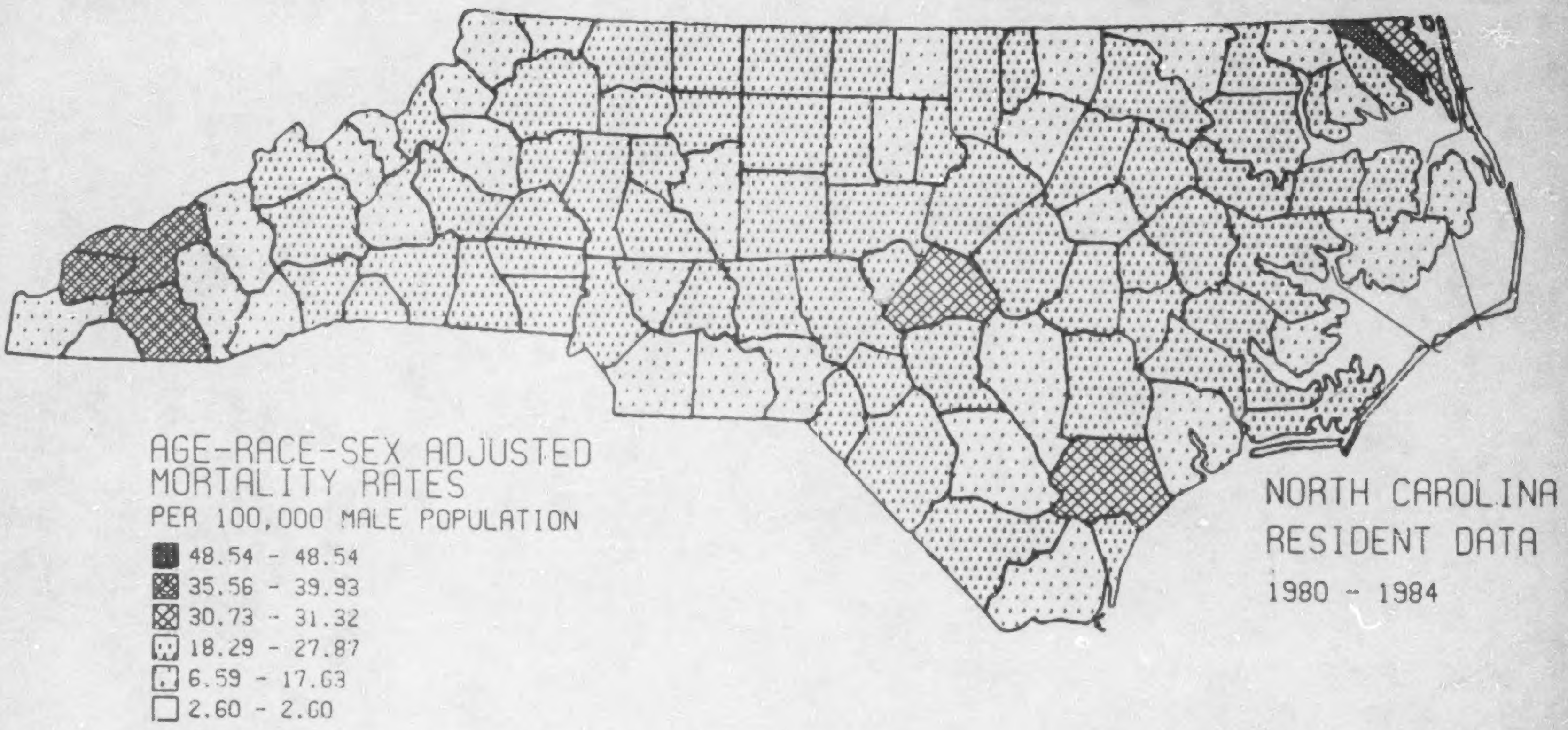

MORTALITY RATES
PER 100,000 MALE POPULATION
■ 63.87 - 63.87
▩ 36.75 - 49.52
▨ 28.21 - 34.49
▦ 18.33 - 27.61
▤ 9.18 - 17.05
☐ 5.25 - 5.81
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 17.A


AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 MALE POPULATION
■ 48.54 - 48.54
▩ 35.56 - 39.93
▨ 30.73 - 31.32
░ 18.29 - 27.87
⬚ 6.59 - 17.63
☐ 2.60 - 2.60
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

CANCER OF THE PROSTATE

FIGURE 17.B

TABLE 18

MORTALITY STATISTICS FOR 1984

NORTH CAROLINA RESIDENTS

LEUKEMIA

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE* 1980-84
NORTH CAROLINA	389	6.31	1977	6.56	6.56
REGIONS					
DHR I WESTERN	135	6.40	708	6.86	6.44
DHR II N. CENTRAL	89	6.81	449	6.99	6.65
DHR III S. CENTRAL	82	5.70	392	5.61	6.33
DHR IV EASTERN	83	6.32	428	6.67	6.90
HSA I WESTERN	78	7.36	396	7.61	6.72
HSA II PIEDMONT	76	6.59	388	6.83	6.47
HSA III S. PIEDMONT	57	5.43	312	6.09	6.14
HSA IV CAPITAL	59	6.69	275	6.49	6.96
HSA V CARDINAL	57	6.07	255	5.54	6.17
HSA VI EASTERN	62	5.72	351	6.62	6.86
COUNTIES					
1 ALAMANCE	11	10.86	41	8.17	7.18
2 ALEXANDER	2	7.54	8	6.19	5.89
3 ALLEGHANY	0	0.00	3	6.13	3.49
4 ANSON	1	3.83	9	6.96	5.61
5 ASHE	3	12.88	10	8.74	5.68
6 AVERY	2	13.36	8	10.82	8.98
7 BEAUFORT	3	7.00	16	7.67	7.28
8 BERTIE	2	9.36	14	13.15	14.08
9 BLADEN	2	6.51	8	5.21	5.17
10 BRUNSWICK	2	4.60	6	3.04	2.91
11 BUNCOMBE	9	5.43	62	7.58	6.17
12 BURKE	5	6.69	22	5.96	6.74
13 CABARRUS	5	5.46	31	6.96	6.03
14 CALDWELL	6	8.75	22	6.46	6.56
15 CAMDEN	2	34.27	3	10.37	10.65
16 CARTERET	2	4.24	12	5.43	7.84
17 CASWELL	0	0.00	4	3.75	3.34
18 CATAWBA	3	2.70	33	6.10	6.60
19 CHATHAM	4	11.43	15	8.74	7.89
20 CHEROKEE	1	5.00	11	11.31	7.15
21 CHOWAN	1	7.73	6	9.44	9.72
22 CLAY	0	0.00	3	8.66	5.33
23 CLEVELAND	8	9.48	28	6.67	6.27
24 COLUMBUS	2	3.85	16	6.19	6.73
25 CRAVEN	2	2.60	23	6.24	6.49
26 CUMBERLAND	6	2.35	41	3.26	5.04
27 CURRITUCK	2	15.53	7	11.73	12.08
28 DARE	0	0.00	5	6.68	4.95
29 DAVIDSON	7	5.99	35	6.09	5.67
30 DAVIE	5	18.26	10	7.54	7.48
31 DUPLIN	2	4.79	15	7.27	6.43
32 DURHAM	10	6.23	52	6.65	6.55
33 EDGECOMBE	5	8.65	23	8.10	8.85
34 FORSYTH	14	5.49	63	5.04	5.07
35 FRANKLIN	1	3.15	13	8.41	8.76
36 GASTON	14	8.33	54	6.52	6.46
37 GATES	1	10.88	4	8.82	7.40
38 GRAHAM	0	0.00	2	5.61	3.79
39 GRANVILLE	2	5.51	14	7.95	7.49
40 GREENE	1	6.06	5	6.14	7.69
41 GUILFORD	26	8.01	127	7.92	7.87

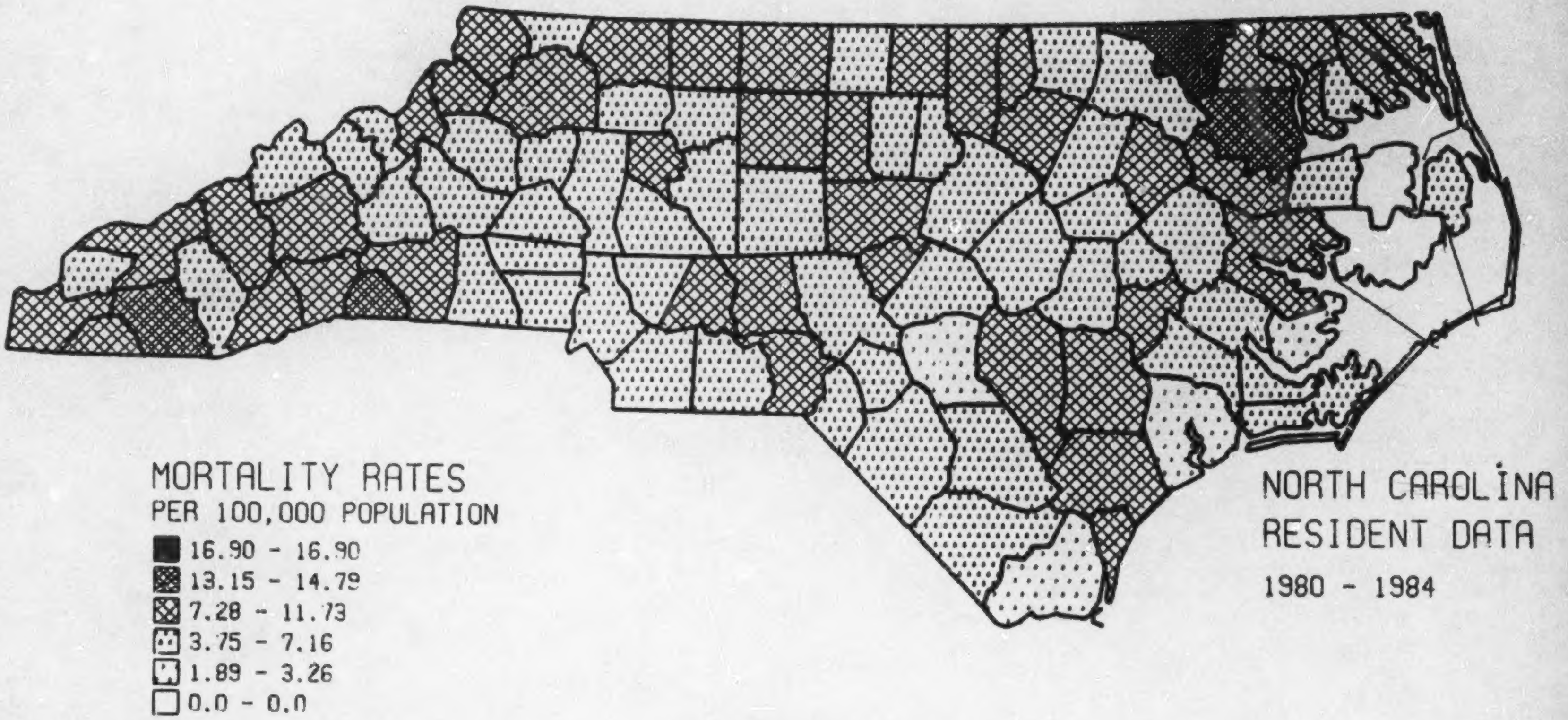
* SEE SECTION I

MORTALITY STATISTICS FOR 1984, NORTH CAROLINA RESIDENTS
LEUKEMIA CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE* 1980-84
42 HALIFAX	1	1.79	16	5.75	4.96
43 HARNETT	3	4.82	14	4.58	4.86
44 HAYWOOD	2	4.22	22	9.36	9.68
45 HENDERSON	5	7.69	29	9.36	7.94*
46 HERTFORD	2	8.40	12	10.15	9.84*
47 HOKE	2	8.88	5	4.62	3.06
48 HYDE	0	0.00	0	0.00	0.00
49 IREDELL	5	5.77	30	7.09	6.57
50 JACKSON	2	7.35	7	5.25	4.57
51 JOHNSTON	5	6.66	26	7.15	6.96
52 JONES	0	0.00	3	6.14	4.27
53 LEE	3	7.64	14	7.40	7.42
54 LENOIR	4	6.58	22	7.30	7.06
55 LINCOLN	2	4.51	12	5.53	5.52
56 MCDOWELL	2	5.52	8	4.45	3.48
57 MACON	3	13.17	16	14.78	7.25
58 MADISON	2	11.65	4	4.66	3.09
59 MARTIN	1	3.73	13	9.27	8.53
60 MECKLENBURG	19	4.40	114	5.44	6.17
61 MITCHELL	2	14.03	5	6.95	4.26
62 MONTGOMERY	0	0.00	11	9.55	8.73
63 MOORE	4	7.39	12	4.60	3.42
64 NASH	4	5.68	21	6.09	6.28
65 NEW HANOVER	13	11.80	45	8.39	8.46
66 NORTHAMPTON	1	4.50	19	16.89	16.61
67 ONSLOW	5	4.16	18	3.11	6.50
68 ORANGE	3	3.69	19	4.81	6.18
69 PAMLICO	1	9.20	1	1.88	1.41
70 PASQUOTANK	1	3.44	13	9.08	9.20
71 PENDER	4	16.83	10	8.71	7.71
72 PERQUIMANS	0	0.00	3	6.20	6.23
73 PERSON	3	9.53	13	8.75	8.44
74 PITT	8	8.38	31	6.65	7.74
75 POLK	2	14.03	9	13.14	6.44
76 RANDOLPH	4	4.16	28	5.96	5.05
77 RICHMOND	2	4.38	19	8.34	7.75
78 ROBESON	2	1.89	31	5.97	7.90
79 ROCKINGHAM	5	5.87	31	7.32	6.50
80 ROWAN	7	6.89	30	5.95	5.22
81 RUTHERFORD	6	10.66	25	9.07	7.95
82 SAMPSON	9	17.87	20	8.00	7.47
83 SCOTLAND	5	14.79	8	4.83	4.38
84 STANLY	3	6.03	18	7.37	7.02
85 STOKES	1	2.85	15	8.74	7.73
86 SURRY	3	4.94	24	7.98	6.70
87 SWAIN	0	0.00	6	11.41	11.12
88 TRANSYLVANIA	5	20.06	11	9.07	6.72
89 TYRRELL	0	0.00	0	0.00	0.00
90 UNION	2	2.62	23	6.26	7.60
91 VANCE	5	13.26	16	8.60	7.53
92 WAKE	21	6.20	88	5.53	6.97
93 WARREN	2	12.14	5	6.12	5.74
94 WASHINGTON	2	13.92	3	4.11	5.24
95 WATAUGA	1	2.93	13	7.85	6.40
96 WAYNE	5	5.07	22	4.50	5.07
97 WILKES	4	6.61	24	8.04	7.51
98 WILSON	4	6.21	21	6.58	7.09
99 YADKIN	0	0.00	10	6.88	4.99
100 YANCEY	3	19.49	5	6.59	4.26

* SEE SECTION I

LEUKEMIA


MORTALITY RATES
PER 100,000 POPULATION
16.90 - 16.90
13.15 - 14.79
7.28 - 11.73
3.75 - 7.16
1.89 - 3.26
0.0 - 0.0

NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 18.A

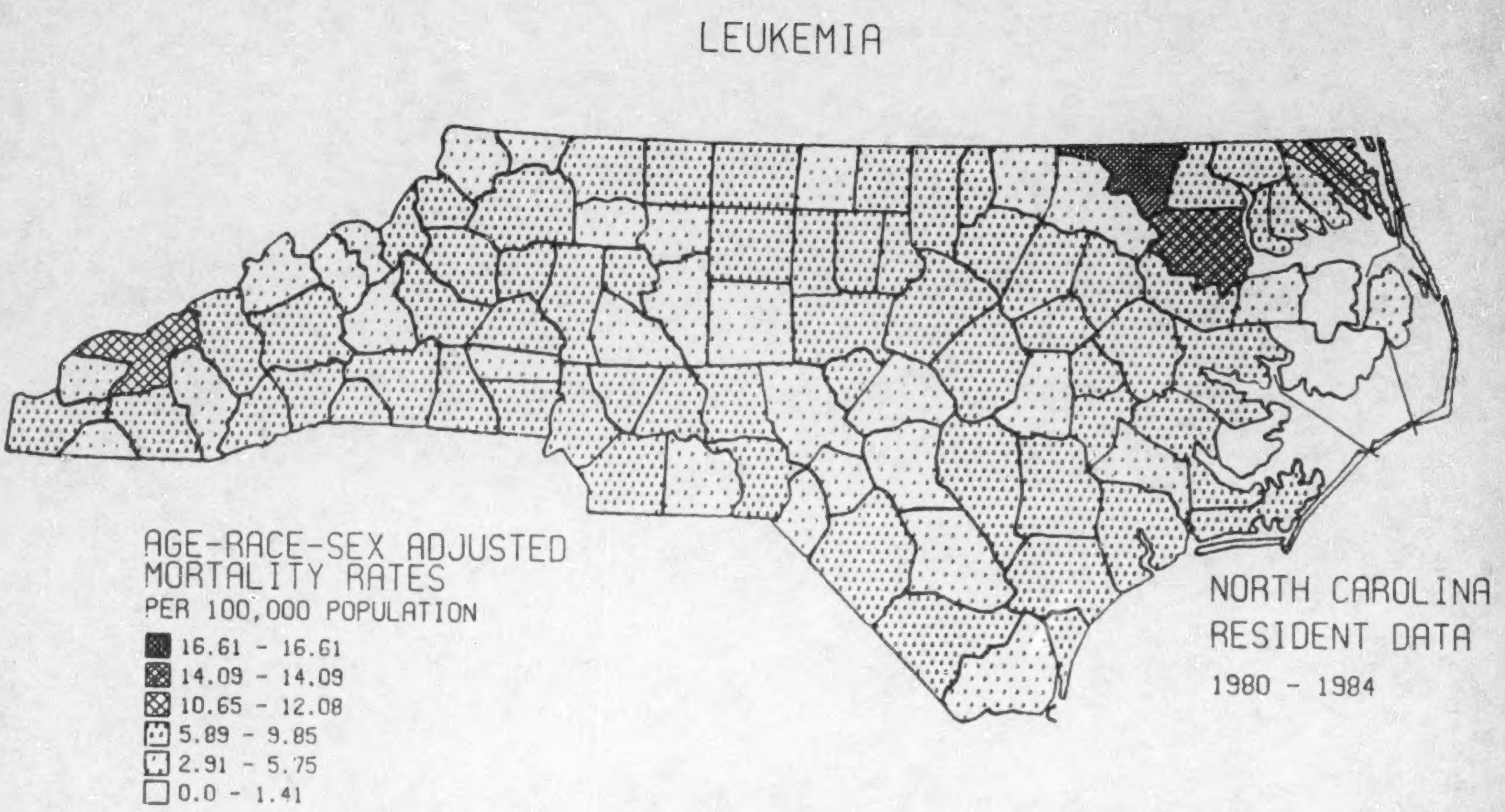

LEUKEMIA
AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
▩ 16.61 - 16.61
▩ 14.09 - 14.09
▨ 10.65 - 12.08
⁘ 5.89 - 9.85
⁘ 2.91 - 5.75
☐ 0.0 - 1.41
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 18.B

TABLE 19

MORTALITY STATISTICS FOR 1984

NORTH CAROLINA RESIDENTS

DIABETES MELLITUS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	[illegible]ATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
NORTH CAROLINA	873	14.16	4172	13.84	13.84
REGIONS					
DHR I WESTERN	290	13.75	1394	13.50	14.20
DHR II N. CENTRAL	217	16.62	918	14.29	13.83
DHR III S. CENTRAL	199	13.83	929	13.31	14.37
DHR IV EASTERN	167	12.72	931	14.53	13.58
HSA I WESTERN	137	12.93	695	13.36	14.30
HSA II PIEDMONT	182	15.78	774	13.63	13.78
HSA III S. PIEDMONT	153	14.57	699	13.65	14.49
HSA IV CAPITAL	118	13.39	569	13.43	13.50
HSA V CARDINAL	139	14.81	644	14.01	14.47
HSA VI EASTERN	144	13.29	791	14.91	14.07
COUNTIES					
1 ALAMANCE	26	25.68	83	16.54	14.63
2 ALEXANDER	2	7.54	7	5.41	8.67
3 ALLEGHANY	1	10.13	3	6.13	3.67
4 ANSON	5	19.17	15	11.61	8.88
5 ASHE	4	17.18	22	19.23	11.64
6 AVERY	2	13.36	5	6.76	4.90
7 BEAUFORT	4	9.34	51	24.45	19.51
8 BERTIE	4	18.72	27	25.37	18.37
9 BLADEN	8	26.04	22	14.33	13.19
10 BRUNSWICK	4	9.21	17	8.63	8.52
11 BUNCOMBE	18	10.86	91	11.13	10.19
12 BURKE	13	17.40	56	15.18	18.81
13 CABARRUS	8	8.75	48	10.78	11.11
14 CALDWELL	4	5.83	75	22.03	27.17
15 CAMDEN	2	34.27	4	13.83	14.26
16 CARTERET	6	12.73	33	14.93	13.68
17 CASWELL	5	22.95	23	21.57	20.94
18 CATAWBA	10	9.01	69	12.76	15.32
19 CHATHAM	6	17.15	24	13.98	12.20
20 CHEROKEE	3	15.01	13	13.37	10.50
21 CHOWAN	3	23.19	10	15.74	9.03
22 CLAY	2	28.30	4	11.55	6.42
23 CLEVELAND	16	18.96	88	20.99	21.11
24 COLUMBUS	5	9.64	47	18.19	16.21
25 CRAVEN	6	7.81	30	8.14	8.59
26 CUMBERLAND	30	11.78	105	8.35	15.22
27 CURRITUCK	2	15.53	9	15.08	14.20
28 DARE	2	12.21	9	12.03	10.89
29 DAVIDSON	19	16.26	84	14.63	17.35
30 DAVIE	3	10.95	14	10.56	11.65
31 DUPLIN	7	16.78	45	21.83	16.43
32 DURHAM	22	13.72	114	14.58	12.68
33 EDGECOMBE	8	13.85	51	17.97	15.53
34 FORSYTH	46	18.04	173	13.86	13.32
35 FRANKLIN	6	18.90	32	20.72	17.43
36 GASTON	20	11.90	114	13.76	14.25
37 GATES	1	10.88	3	6.61	3.69
38 GRAHAM	0	0.00	4	11.23	31.39
39 GRANVILLE	6	16.55	31	17.61	12.89
40 GREENE	3	18.20	9	11.06	11.13
41 GUILFORD	41	12.63	188	11.72	11.83

* SEE SECTION I

MORTALITY STATISTICS FOR 1984, NORTH CAROLINA RESIDENTS
DIABETES MELLITU[illegible] CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
42 HALIFAX	9	16.15	58	20.87	15.86
43 HARNETT	12	19.31	65	21.28	22.50
44 HAYWOOD	4	8.45	18	7.66	4.92
45 HENDERSON	4	6.15	30	9.68	7.96
46 HERTFORD	7	29.40	29	24.54	16.03
47 HOKE	3	13.33	28	25.88	24.36
48 HYDE	1	16.86	6	20.19	15.02*
49 IREDELL	11	12.70	75	17.73	17.50
50 JACKSON	6	22.06	17	12.75	17.17
51 JOHNSTON	11	14.66	55	15.14	15.01
52 JONES	0	0.00	3	6.14	5.72
53 LEE	1	2.54	32	16.91	16.87
54 LENOIR	7	11.52	42	13.95	12.04
55 LINCOLN	9	20.30	34	15.69	22.97
56 MCDOWELL	5	13.80	22	12.25	11.82
57 MACON	1	4.39	11	10.16	5.40
58 MADISON	6	34.96	16	18.64	33.61*
59 MARTIN	4	14.93	30	22.78	19.00
60 MECKLENBURG	66	15.28	249	11.90	13.33
61 MITCHELL	5	35.08	11	15.30	9.32
62 MONTGOMERY	3	12.62	18	15.63	13.80
63 MOORE	4	7.39	31	11.88	9.67
64 NASH	8	11.37	41	11.90	11.62
65 NEW HANOVER	11	9.98	62	11.57	11.17
66 NORTHAMPTON	7	31.51	26	23.12	14.89
67 ONSLOW	4	3.32	33	5.70	13.83
68 ORANGE	9	11.09	40	10.14	12.72
69 PAMLICO	1	9.20	6	11.32	7.25
70 PASQUOTANK	5	17.24	22	15.38	11.88
71 PENDER	3	12.62	14	12.20	8.34
72 PERQUIMANS	0	0.00	4	8.27	5.11
73 PERSON	6	19.90	20	13.46	10.69
74 PITT	14	14.66	58	12.44	11.99
75 POLK	5	35.09	12	17.53	9.97
76 RANDOLPH	9	9.36	48	10.23	13.39
77 RICHMOND	13	28.49	42	18.43	16.24
78 ROBESON	28	26.53	109	21.01	24.17
79 ROCKINGHAM	12	14.08	60	14.17	13.48
80 ROWAN	24	23.63	110	21.83	20.37
81 RUTHERFORD	7	12.44	24	8.71	8.52
82 SAMPSON	4	7.94	38	15.20	12.23
83 SCOTLAND	6	17.75	31	18.74	18.10
84 STANLY	8	16.08	38	15.56	16.57
85 STOKES	4	11.41	18	10.49	10.87
86 SURRY	14	23.08	50	16.63	16.41
87 SWAIN	5	46.80	16	30.44	27.74
88 TRANSYLVANIA	4	16.04	17	14.02	14.02*
89 TYRRELL	1	24.05	6	29.06	25.58
90 UNION	7	9.17	31	8.44	9.95
91 VANCE	10	26.52	42	22.57	18.50
92 WAKE	34	10.05	160	10.07	12.87
93 WARREN	7	42.50	19	23.29	17.35
94 WASHINGTON	2	13.92	15	20.58	22.17
95 WATAUGA	3	8.80	16	9.66	20.46
96 WAYNE	17	17.26	70	14.31	15.21
97 WILKES	4	6.61	38	12.74	14.72
98 WILSON	9	13.98	61	19.13	19.27
99 YADKIN	3	10.24	33	22.71	17.29
100 YANCEY	3	19.49	10	13.18	8.61

* SEE SECTION I

TABLE 20

MORTALITY STATISTICS FOR 1984

NORTH CAROLINA RESIDENTS

PNEUMONIA AND INFLUENZA

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
NORTH CAROLINA	1428	23.16	6689	22.20	22.20
REGIONS					
DHR I WESTERN	544	25.79	2547	24.68	23.10
DHR II N. CENTRAL	309	23.67	1414	22.02	20.95
DHR III S. CENTRAL	274	19.05	1257	18.01	21.12
DHR IV EASTERN	301	22.93	1471	22.95	23.68
HSA I WESTERN	315	29.74	1440	27.69	23.54
HSA II PIEDMONT	255	22.11	1182	20.82	20.13
HSA III S. PIEDMONT	229	21.81	1107	21.62	22.50
HSA IV CAPITAL	209	23.71	905	21.36	22.84
HSA V CARDINAL	153	16.30	797	17.34	19.91
HSA VI EASTERN	267	24.64	1258	23.72	24.70
COUNTIES					
1 ALAMANCE	18	17.78	93	18.53	16.95
2 ALEXANDER	3	11.31	19	14.70	13.62
3 ALLEGHANY	7	70.92	27	55.19	32.77
4 ANSON	18	69.03	71	54.96	46.58
5 ASHE	2	8.59	20	17.48	9.62
6 AVERY	1	6.68	17	23.00	18.91
7 BEAUFORT	10	23.35	66	31.64	26.80
8 BERTIE	10	46.82	31	29.13	23.49
9 BLADEN	4	13.02	32	20.85	23.93
10 BRUNSWICK	8	18.42	34	17.26	18.23
11 BUNCOMBE	73	44.08	322	39.39	29.51
12 BURKE	19	25.43	89	24.14	27.74
13 CABARRUS	26	28.44	136	30.56	29.50
14 CALDWELL	12	17.50	63	18.50	19.69
15 CAMDEN	3	51.41	9	31.13	29.54
16 CARTERET	9	19.10	55	24.89	23.10
17 CASWELL	3	13.77	12	11.25	10.83
18 CATAWBA	21	18.92	89	16.46	18.30
19 CHATHAM	5	14.29	31	18.06	15.47
20 CHEROKEE	4	20.02	24	24.68	12.57
21 CHOWAN	8	61.84	27	42.50	32.13
22 CLAY	3	42.46	10	28.89	14.25
23 CLEVELAND	13	15.40	97	23.14	21.90
24 COLUMBUS	10	19.29	71	27.49	26.87
25 CRAVEN	18	23.43	56	15.20	21.79
26 CUMBERLAND	18	7.06	106	8.43	18.23
27 CURRITUCK	1	7.76	20	33.51	35.14
28 DARE	2	12.21	17	22.73	22.94
29 DAVIDSON	24	20.54	111	19.33	20.15
30 DAVIE	6	21.91	19	14.34	16.71
31 DUPLIN	9	21.57	32	15.52	13.09
32 DURHAM	53	33.05	218	27.88	26.67
33 EDGECOMBE	20	34.63	73	25.73	23.59
34 FORSYTH	42	16.47	226	18.11	17.42
35 FRANKLIN	3	9.45	32	20.72	19.00
36 GASTON	35	20.83	174	21.01	23.39
37 GATES	4	43.55	19	41.91	24.75
38 GRAHAM	0	0.00	5	14.03	8.76
39 GRANVILLE	16	44.15	67	38.07	35.80
40 GREENE	4	24.27	16	19.67	18.99
41 GUILFORD	76	23.42	343	21.40	20.93

* SEE SECTION I

2

MORTALITY STATISTICS FOR 1984, NORTH CAROLINA RESIDENTS
PNEUMONIA AND INFLUENZA CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE* 1980-84
42 HALIFAX	16	28.72	76	27.35	22.43
43 HARNETT	10	16.09	44	14.40	15.56
44 HAYWOOD	11	23.23	67	28.52	17.77
45 HENDERSON	31	47.73	110	35.51	19.02
46 HERTFORD	6	25.20	25	21.16	17.54
47 HOKE	7	31.10	25	23.11	26.53
48 HYDE	2	33.72	15	50.48	40.96*
49 IREDELL	26	30.01	109	25.76	24.11
50 JACKSON	15	55.16	51	38.26	33.26
51 JOHNSTON	16	21.32	62	17.06	16.80
52 JONES	4	40.60	12	24.58	28.59
53 LEE	7	17.83	36	19.03	19.60
54 LENOIR	10	16.46	84	27.90	27.26
55 LINCOLN	10	22.56	34	15.69	19.42
56 MCDOWELL	8	22.08	43	23.94	20.12
57 MACON	12	52.70	40	36.97	28.61*
58 MADISON	11	64.10	33	38.45	27.23
59 MARTIN	11	41.08	34	25.82	24.62
60 MECKLENBURG	69	15.98	375	17.92	20.68
61 MITCHELL	14	98.22	38	52.88	29.06
62 MONTGOMERY	10	42.08	36	31.27	25.91
63 MOORE	9	16.64	61	23.38	18.42
64 NASH	28	39.81	100	29.02	28.31
65 NEW HANOVER	13	11.80	89	16.61	17.44
66 NORTHAMPTON	9	40.51	40	35.57	29.02
67 ONSLOW	11	9.15	56	9.67	23.62
68 ORANGE	13	16.03	75	19.02	24.94
69 PAMLICO	4	36.83	23	43.41	36.64
70 PASQUOTANK	5	17.24	46	32.15	29.74
71 PENDER	3	12.62	19	16.56	13.24
72 PERQUIMANS	2	20.13	11	22.75	15.32
73 PERSON	9	29.85	29	19.52	18.45
74 PITT	20	20.95	112	24.03	27.92
75 POLK	3	21.05	25	36.52	21.78
76 RANDOLPH	13	13.53	66	14.06	16.02
77 RICHMOND	13	28.49	36	15.80	14.45
78 ROBESON	15	14.21	101	19.46	23.98
79 ROCKINGHAM	35	41.09	116	27.40	25.81
80 ROWAN	38	37.41	172	34.14	26.36
81 RUTHERFORD	16	28.43	78	28.32	22.38
82 SAMPSON	9	17.87	46	18.41	17.59
83 SCOTLAND	6	17.75	26	15.72	17.16
84 STANLY	9	18.09	44	18.02	15.64
85 STOKES	16	45.64	74	43.12	42.87
86 SURRY	15	24.72	85	28.28	19.96
87 SWAIN	3	28.08	22	41.86	25.96
88 TRANSYLVANIA	6	24.07	23	18.98	19.37
89 TYRRELL	1	24.05	5	24.22	18.42
90 UNION	16	20.96	63	17.15	19.56
91 VANCE	19	50.40	65	34.94	27.66
92 WAKE	61	18.03	251	15.79	21.45
93 WARREN	7	42.50	39	47.80	34.47
94 WASHINGTON	2	13.92	10	13.72	14.60
95 WATAUGA	4	11.73	31	18.72	13.83
96 WAYNE	17	17.26	98	20.04	23.38
97 WILKES	19	31.42	75	25.15	25.15
98 WILSON	21	32.62	90	28.23	31.09
99 YADKIN	7	23.90	37	25.46	19.83
100 YANCEY	4	25.98	22	29.00	16.24

* SEE SECTION I

INFLUENZA AND PNEUMONIA

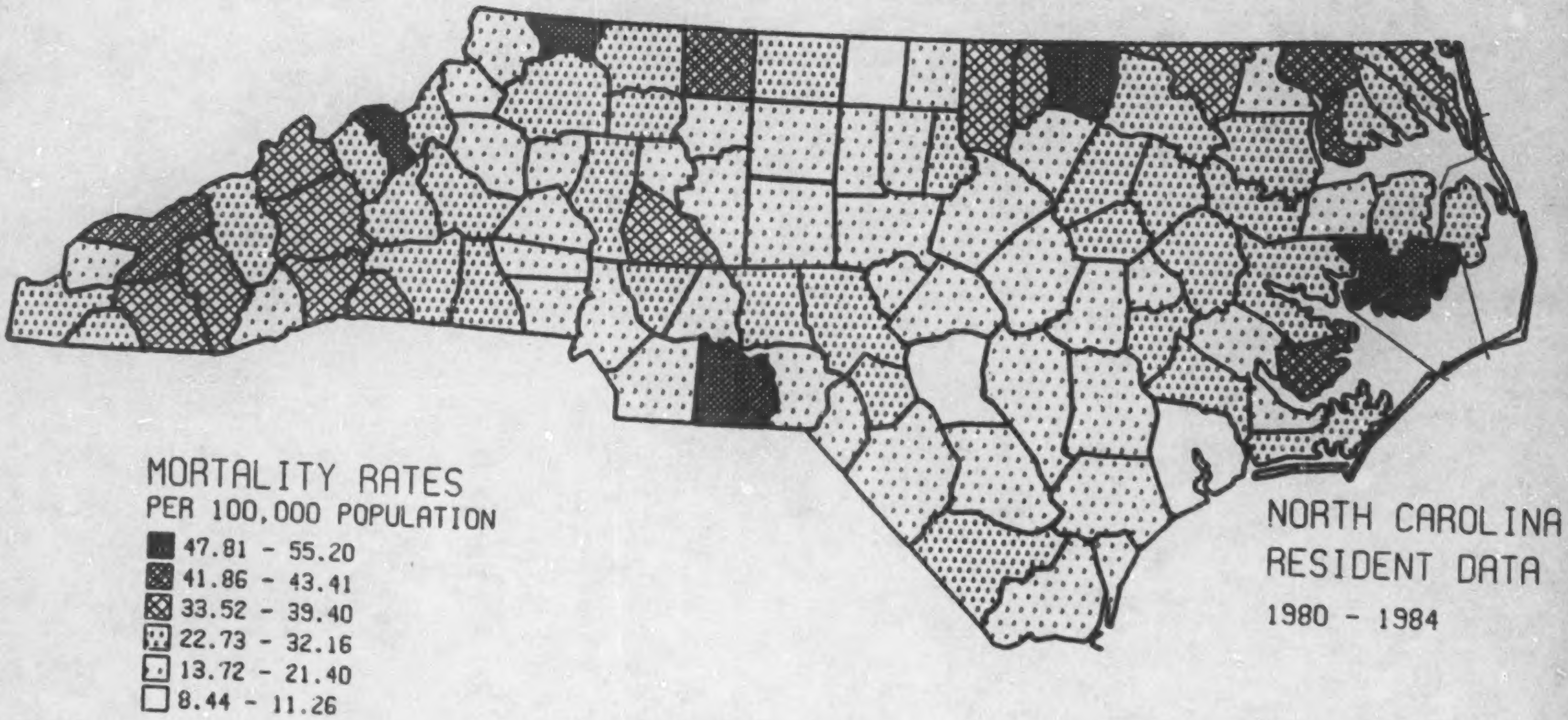

NORTH CAROLINA
RESIDENT DATA
1980 - 1984
MORTALITY RATES
PER 100,000 POPULATION
■ 47.81 - 55.20
▩ 41.86 - 43.41
▨ 33.52 - 39.40
▦ 22.73 - 32.16
⊡ 13.72 - 21.40
☐ 8.44 - 11.26

FIGURE 20.A

INFLUENZA AND PNEUMONIA

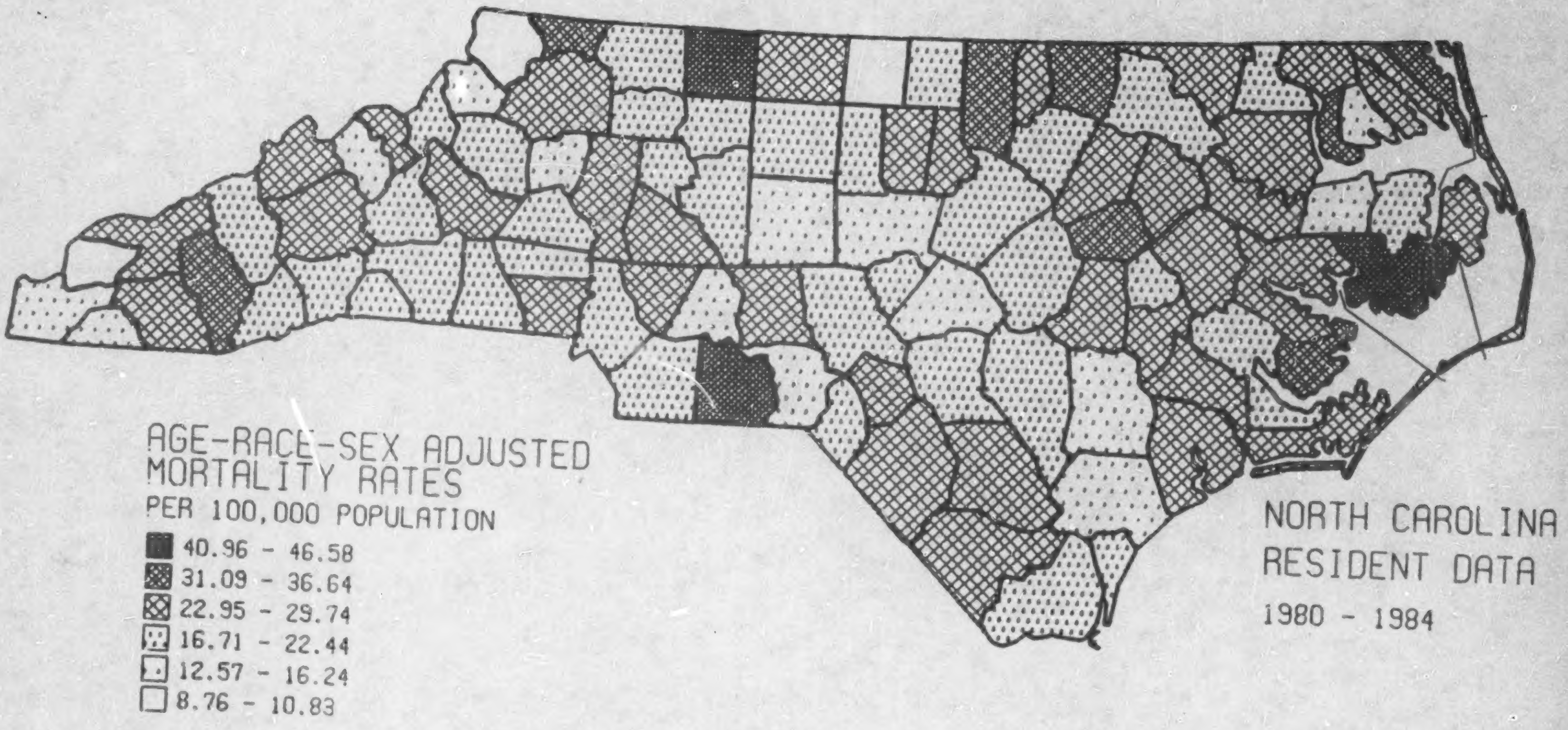

AGE-RACE-SEX ADJUSTED MORTALITY RATES
PER 100,000 POPULATION
40.96 - 46.58
31.09 - 36.64
22.95 - 29.74
16.71 - 22.44
12.57 - 16.24
8.76 - 10.83
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 20.B

TABLE 21

MORTALITY STATISTICS FOR 1984

NORTH CAROLINA RESIDENTS

CHRONIC OBSTRUCTIVE PULMONARY DISEASES

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
NORTH CAROLINA	1491	24.18	6865	22.78	22.78
REGIONS					
DHR I WESTERN	541	25.65	2437	23.61	21.19
DHR II N. CENTRAL	347	26.58	1570	24.44	23.25
DHR III S. CENTRAL	291	20.23	1406	20.14	24.77
DHR IV EASTERN	312	23.77	1452	22.66	24.84
HSA I WESTERN	310	29.27	1381	26.55	21.34
HSA II PIEDMONT	310	26.89	1391	24.51	23.45
HSA III S. PIEDMONT	231	22.00	1056	20.62	20.85
HSA IV CAPITAL	180	20.42	889	20.98	24.03
HSA V CARDINAL	199	21.20	946	20.58	24.43
HSA VI EASTERN	261	24.09	1202	22.67	25.33
COUNTIES					
1 ALAMANCE	33	32.60	127	25.31	21.82
2 ALEXANDER	5	18.86	21	16.25	21.27
3 ALLEGHANY	2	20.26	16	32.70	17.77
4 ANSON	3	11.50	24	18.58	19.27
5 ASHE	14	60.14	44	38.47	23.15
6 AVERY	9	60.13	32	43.31	43.82*
7 BEAUFORT	12	28.02	53	25.41	23.49
8 BERTIE	2	9.36	16	15.03	11.17
9 BLADEN	2	6.51	29	18.89	18.58
10 BRUNSWICK	11	25.32	43	21.83	19.91
11 BUNCOMBE	52	31.40	249	30.46	23.01
12 BURKE	19	25.43	67	23.59	21.53
13 CABARRUS	34	37.19	118	26.51	23.47
14 CALDWELL	19	27.71	77	22.62	23.65
15 CAMDEN	0	0.00	3	10.37	7.63
16 CARTERET	19	40.32	60	27.15	22.65
17 CASWELL	5	22.95	23	21.57	21.71
18 CATAWBA	23	20.72	109	20.16	20.47
19 CHATHAM	5	14.29	30	17.48	15.08
20 CHEROKEE	4	20.02	18	18.51	14.97
21 CHOWAN	2	15.46	15	23.61	19.85
22 CLAY	2	28.30	11	31.77	18.16
23 CLEVELAND	24	28.44	78	18.60	17.31
24 COLUMBUS	10	19.29	45	17.42	17.95
25 CRAVEN	11	14.32	67	18.19	25.23
26 CUMBERLAND	36	14.13	161	12.81	26.99
27 CURRITUCK	6	46.59	13	21.78	21.89
28 DARE	7	42.75	16	21.39	21.91
29 DAVIDSON	31	26.53	111	19.33	19.45
30 DAVIE	7	25.56	34	25.66	22.38
31 DUPLIN	12	28.77	57	27.66	26.12
32 DURHAM	26	16.21	163	20.84	23.01
33 EDGECOMBE	13	22.51	81	28.54	33.63
34 FORSYTH	74	29.03	336	26.93	27.07
35 FRANKLIN	5	15.75	30	19.42	18.61
36 GASTON	36	21.42	166	20.04	19.23
37 GATES	4	43.55	14	30.88	20.40
38 GRAHAM	5	70.20	10	28.07	17.84
39 GRANVILLE	10	27.59	43	24.43	22.90
40 GREENE	7	42.48	20	24.59	27.70
41 GUILFORD	73	22.49	366	22.83	23.07

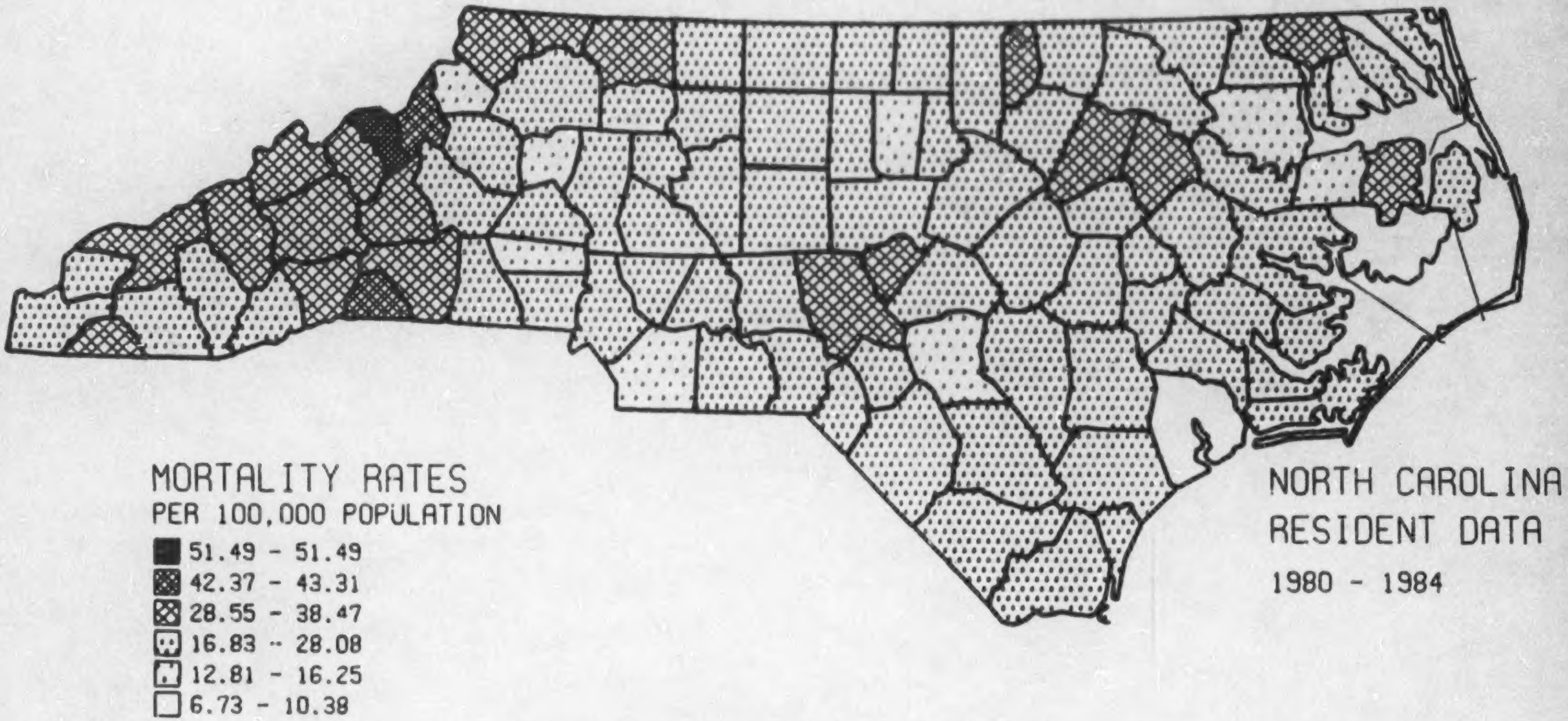
* SEE SECTION I

MORTALITY STATISTICS FOR 1984, NORTH CAROLINA RESIDENTS
CHRONIC OBSTRUCTIVE PULMONARY DISEASES CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
42 HALIFAX	18	32.31	78	28.07	27.66
43 HARNETT	17	27.36	74	24.22	26.28
44 HAYWOOD	19	40.13	84	35.76	25.91
45 HENDERSON	17	26.17	90	29.05	19.45
46 HERTFORD	6	25.20	30	25.39	27.99
47 HOKE	4	17.77	23	21.26	31.97
48 HYDE	0	0.00	2	6.73	6.81*
49 IREDELL	19	21.93	97	22.93	20.24
50 JACKSON	6	22.06	31	23.25	20.60
51 JOHNSTON	20	26.66	101	27.80	26.86
52 JONES	1	10.15	11	22.53	22.53
53 LEE	16	40.77	71	37.53	38.48
54 LENOIR	8	13.17	74	24.58	26.84
55 LINCOLN	8	18.05	32	14.77	13.27
56 MCDOWELL	16	44.17	59	32.85	27.05
57 MACON	7	30.74	29	26.80	12.52
58 MADISON	5	29.13	28	32.63	42.15*
59 MARTIN	5	18.67	32	24.30	23.77
60 MECKLENBURG	91	21.07	414	19.79	23.66
61 MITCHELL	8	56.12	37	51.49	30.28
62 MONTGOMERY	10	42.08	32	27.80	24.18
63 MOORE	20	36.99	93	35.65	26.19
64 NASH	25	35.54	105	30.47	32.18
65 NEW HANOVER	24	21.79	131	24.44	25.74
66 NORTHAMPTON	5	22.51	25	22.23	25.25
67 ONSLOW	16	13.31	56	9.67	23.18
68 ORANGE	8	9.86	52	13.19	17.54
69 PAMLICO	2	18.41	12	22.64	18.45
70 PASQUOTANK	4	13.79	34	23.77	23.56
71 PENDER	6	25.25	31	27.02	25.86
72 PERQUIMANS	1	10.06	7	14.47	10.62
73 PERSON	6	19.90	25	16.83	16.12
74 PITT	32	33.52	108	23.17	31.16
75 POLK	6	42.11	29	42.36	29.78
76 RANDOLPH	16	16.65	93	19.82	17.19
77 RICHMOND	12	26.30	63	27.65	25.87
78 ROBESON	18	17.06	100	19.27	28.05
79 ROCKINGHAM	29	34.04	116	27.40	24.57
80 ROWAN	24	23.63	113	22.43	17.50
81 RUTHERFORD	18	31.99	81	29.41	21.60
82 SAMPSON	18	35.74	64	25.61	23.81
83 SCOTLAND	8	23.67	33	19.95	27.12
84 STANLY	10	20.10	58	23.75	18.87
85 STOKES	9	25.67	45	26.22	27.94
86 SURRY	26	42.86	107	35.60	28.20
87 SWAIN	4	37.44	17	32.34	25.31
88 TRANSYLVANIA	4	16.04	25	20.63	15.29
89 TYRRELL	0	0.00	7	33.91	23.47
90 UNION	9	11.79	58	15.79	17.10
91 VANCE	14	37.14	61	32.79	31.98
92 WAKE	68	20.10	293	18.44	25.88
93 WARREN	2	12.14	20	24.51	21.46
94 WASHINGTON	3	20.88	11	15.09	16.06
95 WATAUGA	4	11.73	23	13.89	11.53
96 WAYNE	24	24.37	122	24.95	32.54
97 WILKES	15	24.80	71	23.81	22.33
98 WILSON	16	24.85	73	22.90	25.62
99 YADKIN	7	23.90	33	22.71	19.62
100 YANCEY	3	19.49	25	32.96	20.09

* SEE SECTION I

CHRONIC OBSTRUCTIVE PULMONARY DISEASES


MORTALITY RATES
PER 100,000 POPULATION
■ 51.49 - 51.49
▩ 42.37 - 43.31
▨ 28.55 - 38.47
⚃ 16.83 - 28.08
⚀ 12.81 - 16.25
☐ 6.73 - 10.38

NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 21.A

CHRONIC OBSTRUCTIVE PULMONARY DISEASES

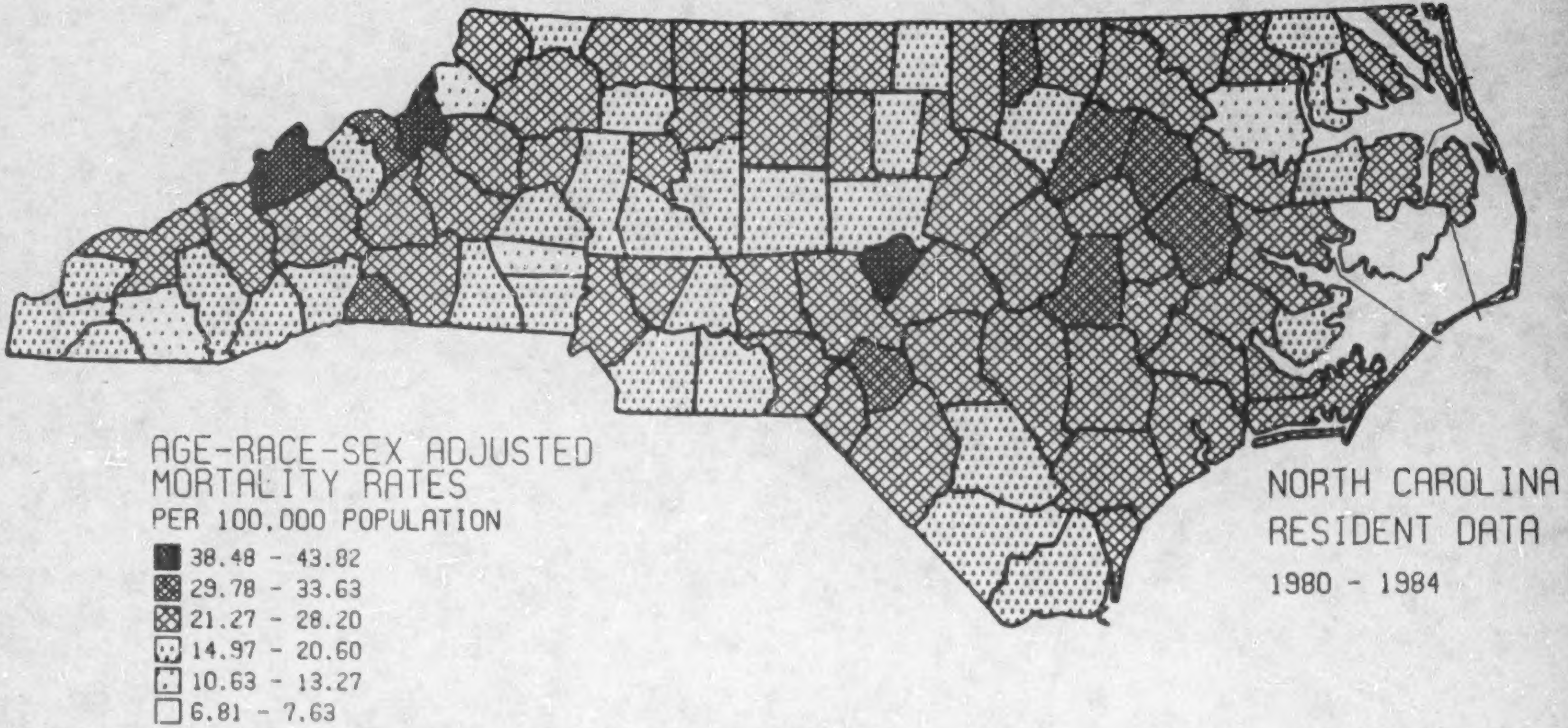

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
38.48 - 43.82
29.78 - 33.63
21.27 - 28.20
14.97 - 20.60
10.63 - 13.27
6.81 - 7.63
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 21.B

TABLE 22

MORTALITY STATISTICS FOR 1984

NORTH CAROLINA RESIDENTS

CHRONIC LIVER DISEASE AND CIRRHOSIS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE* 1980-84
NORTH CAROLINA	591	9.58	3127	10.37	10.37
REGIONS					
DHR I WESTERN	202	9.57	1090	10.56	11.09
DHR II N. CENTRAL	125	9.57	670	10.43	10.01
DHR III S. CENTRAL	129	8.97	662	9.48	10.40
DHR IV EASTERN	135	10.28	705	11.00	11.26
HSA I WESTERN	116	10.95	532	10.22	11.09
HSA II PIEDMONT	113	9.80	580	10.22	10.00
HSA III S. PIEDMONT	86	8.19	558	10.89	11.17
HSA IV CAPITAL	79	8.96	411	9.70	10.16
HSA V CARDINAL	86	9.16	468	10.18	10.99
HSA VI EASTERN	111	10.24	578	10.90	11.33
COUNTIES					
1 ALAMANCE	15	14.81	42	8.37	7.11
2 ALEXANDER	1	3.77	12	9.28	11.10
3 ALLEGHANY	0	0.00	5	10.22	6.99
4 ANSON	5	19.17	19	14.70	16.38
5 ASHE	0	0.00	2	1.74	1.29
6 AVERY	3	20.04	7	9.47	23.38*
7 BEAUFORT	6	14.01	28	13.42	12.55
8 BERTIE	2	9.36	12	11.27	13.91
9 BLADEN	1	3.25	7	4.56	5.30
10 BRUNSWICK	3	6.90	15	7.61	7.17
11 BUNCOMBE	20	12.07	96	11.74	12.15
12 BURKE	12	16.06	36	9.76	11.22
13 CABARRUS	4	4.37	36	8.09	8.94
14 CALDWELL	4	5.83	38	11.16	11.60
15 CAMDEN	0	0.00	3	10.37	11.65
16 CARTERET	5	10.61	28	12.67	11.42
17 CASWELL	3	13.77	9	8.44	8.04
18 CATAWBA	16	14.41	76	14.05	15.55
19 CHATHAM	2	5.71	18	10.49	9.18
20 CHEROKEE	4	20.02	15	15.43	10.89
21 CHOWAN	3	23.19	9	14.16	11.28
22 CLAY	1	14.15	2	5.77	4.29
23 CLEVELAND	12	14.22	40	9.54	9.23
24 COLUMBUS	3	5.78	17	6.58	6.76
25 CRAVEN	9	11.71	42	11.40	14.62
26 CUMBERLAND	18	7.06	97	7.72	11.27
27 CURRITUCK	2	15.53	7	11.73	9.94
28 DARE	1	6.10	4	5.34	3.42
29 DAVIDSON	7	5.99	42	7.31	7.80
30 DAVIE	2	7.30	14	10.56	8.83
31 DUPLIN	2	4.79	20	9.70	7.62
32 DURHAM	17	10.60	78	9.97	10.49
33 EDGECOMBE	11	19.05	35	12.33	12.70
34 FORSYTH	29	11.37	164	13.14	12.46
35 FRANKLIN	5	15.75	21	13.59	13.81
36 GASTON	25	14.87	101	12.19	11.76
37 GATES	2	21.77	4	8.82	12.58
38 GRAHAM	0	0.00	4	11.23	22.19
39 GRANVILLE	1	2.75	16	9.09	10.12
40 GREENE	2	12.13	4	4.91	6.56
41 GUILFORD	28	8.62	165	10.2[illegible]	10.09

* SEE SECTION I

MORTALITY STATISTICS FOR 1984, NORTH CAROLINA RESIDENTS
CHRONIC LIVER DISEASE AND CIRRHOSIS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
42 HALIFAX	2	3.59	41	14.75	12.32
43 HARNETT	3	4.82	37	12.11	12.89
44 HAYWOOD	6	12.67	27	11.49	7.97
45 HENDERSON	7	10.77	41	13.23	14.37
46 HERTFORD	2	8.40	14	11.84	13.95
47 HOKE	2	8.88	12	11.09	14.77
48 HYDE	1	16.86	2	6.73	7.78
49 IREDELL	6	6.92	47	11.11	10.84
50 JACKSON	2	7.35	11	8.25	11.13
51 JOHNSTON	7	9.33	33	9.08	9.15
52 JONES	2	20.30	3	6.14	6.93
53 LEE	7	17.83	26	13.74	13.56
54 LENOIR	9	14.82	40	13.28	13.02
55 LINCOLN	2	4.51	19	8.77	8.85
56 MCDOWELL	1	2.76	9	5.01	3.76
57 MACON	2	8.78	7	6.47	3.24
58 MADISON	1	5.82	7	8.15	5.36
59 MARTIN	5	18.67	16	12.15	12.21
60 MECKLENBURG	35	8.10	251	11.99	12.13
61 MITCHELL	2	14.03	7	9.74	6.65
62 MONTGOMERY	0	0.00	10	8.68	8.02
63 MOORE	12	22.19	50	19.17	16.59
64 NASH	7	9.95	46	13.35	13.12
65 NEW HANOVER	12	10.89	74	13.81	13.88
66 NORTHAMPTON	3	13.50	10	8.89	6.00
67 ONSLOW	9	7.49	34	5.87	11.02
68 ORANGE	7	8.63	22	5.58	7.53
69 PAMLICO	2	18.41	10	18.87	15.39
70 PASQUOTANK	0	0.00	9	6.29	6.03
71 PENDER	6	25.25	21	18.30	16.82
72 PERQUIMANS	2	20.13	3	6.20	7.28
73 PERSON	2	6.63	15	10.09	9.13
74 PITT	4	4.19	31	6.65	7.89
75 POLK	1	7.01	9	13.14	17.34
76 RANDOLPH	7	7.28	39	8.31	10.20
77 RICHMOND	4	8.76	18	7.90	7.25
78 ROBESON	6	5.68	42	8.09	8.47
79 ROCKINGHAM	9	10.56	54	12.75	12.03
80 ROWAN	8	7.87	63	12.50	12.14
81 RUTHERFORD	7	12.44	24	8.71	9.09
82 SAMPSON	4	7.94	26	10.40	10.05
83 SCOTLAND	7	20.71	23	13.91	14.32
84 STANLY	3	6.03	20	8.19	8.01
85 STOKES	7	19.97	13	7.57	8.46
86 SURRY	4	6.59	25	8.31	7.26
87 SWAIN	2	18.72	7	13.32	11.69
88 TRANSYLVANIA	2	8.02	10	8.25	8.98
89 TYRRELL	1	24.05	2	9.68	8.93
90 UNION	3	3.93	21	5.71	6.60
91 VANCE	4	10.61	29	15.58	12.64
92 WAKE	27	7.98	144	9.06	10.78
93 WARREN	0	0.00	9	11.03	11.83
94 WASHINGTON	0	0.00	8	10.97	13.75
95 WATAUGA	1	2.93	11	6.64	6.41
96 WAYNE	8	8.12	67	13.70	14.09
97 WILKES	7	11.57	21	7.04	9.60
98 WILSON	9	13.98	46	14.43	13.17
99 YADKIN	2	6.82	13	8.94	10.67
100 YANCEY	2	12.99	8	10.54	16.22

* SEE SECTION I

CHRONIC LIVER DISEASE AND CIRRHOSIS

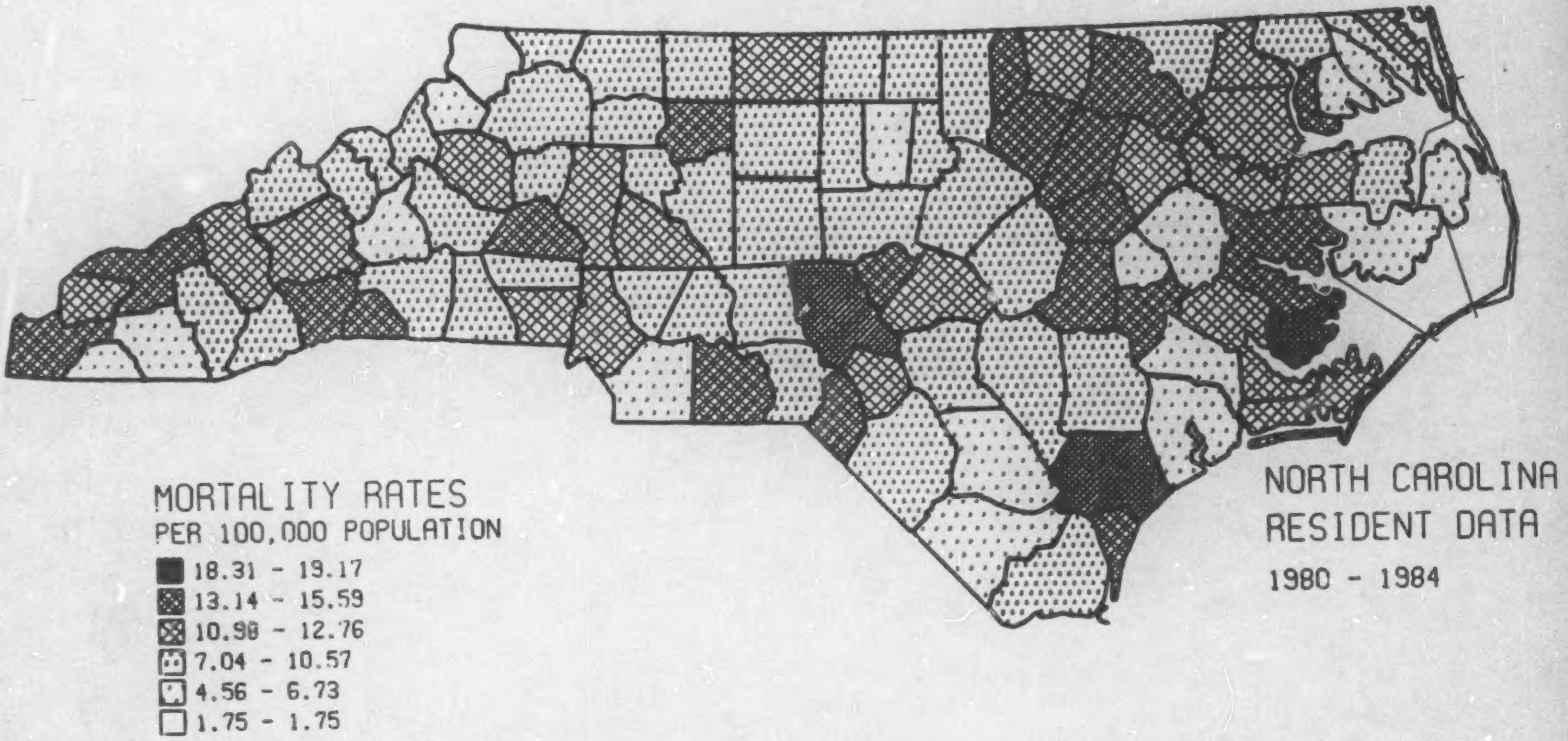

MORTALITY RATES
PER 100,000 POPULATION
■ 18.31 - 19.17
▩ 13.14 - 15.59
▨ 10.98 - 12.76
▦ 7.04 - 10.57
▫ 4.56 - 6.73
□ 1.75 - 1.75
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 22.A

CHRONIC LIVER DISEASE AND CIRRHOSIS

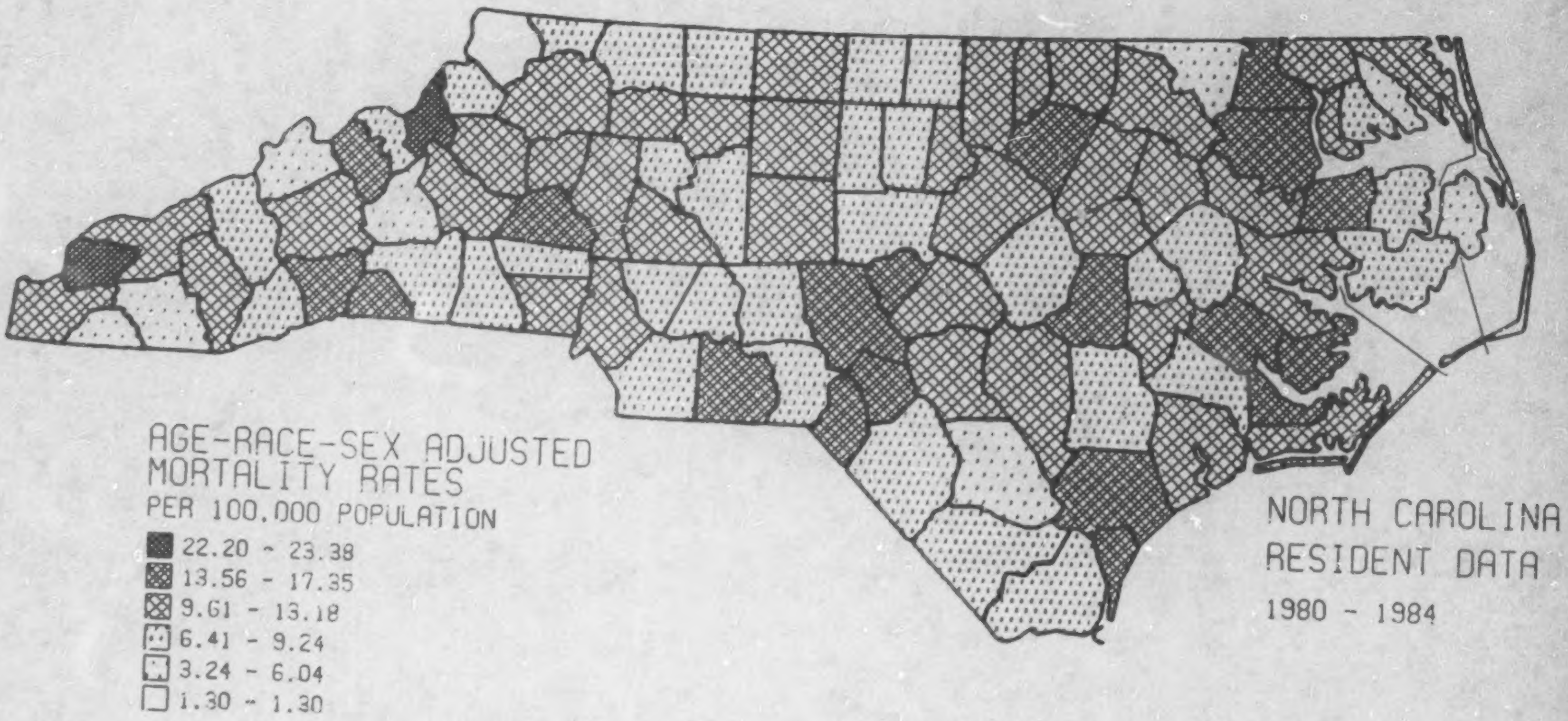

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
22.20 - 23.38
13.56 - 17.35
9.61 - 13.18
6.41 - 9.24
3.24 - 6.04
1.30 - 1.30
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 22.B

TABLE 23

MORTALITY STATISTICS FOR 1984

NORTH CAROLINA RESIDENTS

NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
NORTH CAROLINA	542	8.79	2587	8.58	8.58
REGIONS					
DHR I WESTERN	182	8.63	864	8.37	8.74
DHR II N. CENTRAL	109	8.35	535	8.33	8.13
DHR III S. CENTRAL	112	7.78	565	8.09	8.66
DHR IV EASTERN	139	10.59	623	9.72	8.91
HSA I WESTERN	82	7.74	409	7.86	7.72
HSA II PIEDMONT	87	7.54	422	7.43	7.54
HSA III S. PIEDMONT	100	9.52	455	8.88	9.63
HSA IV CAPITAL	66	7.49	379	8.94	8.83
HSA V CARDINAL	94	10.01	390	8.48	8.70
HSA VI EASTERN	113	10.43	532	10.03	9.16
COUNTIES					
1 ALAMANCE	9	8.89	33	6.57	5.95
2 ALEXANDER	1	3.77	12	9.28	10.51
3 ALLEGHANY	0	0.00	8	16.35	12.76*
4 ANSON	6	23.01	24	18.58	13.92
5 ASHE	4	17.18	10	8.74	4.89
6 AVERY	3	20.04	6	8.12	6.73
7 BEAUFORT	7	16.34	19	9.11	6.49
8 BERTIE	5	23.41	23	21.61	12.91
9 BLADEN	6	19.53	29	18.89	15.05
10 BRUNSWICK	3	6.90	11	5.58	5.56
11 BUNCOMBE	9	5.43	51	6.23	5.38
12 BURKE	6	8.03	26	7.05	7.33
13 CABARRUS	8	8.75	45	10.11	10.17
14 CALDWELL	7	10.20	32	9.40	13.43
15 CAMDEN	2	34.27	6	20.75	16.05
16 CARTERET	3	6.36	19	8.60	10.09
17 CASWELL	1	4.59	7	6.56	4.89
18 CATAWBA	5	4.50	31	5.73	7.15
19 CHATHAM	4	11.43	14	8.15	7.01
20 CHEROKEE	1	5.00	6	6.17	3.13
21 CHOWAN	3	23.19	13	20.46	11.33
22 CLAY	0	0.00	3	8.66	3.87
23 CLEVELAND	5	5.92	34	8.11	7.90
24 COLUMBUS	4	7.71	28	10.84	9.35
25 CRAVEN	5	6.50	34	9.23	11.24
26 CUMBERLAND	11	4.32	45	3.58	6.63
27 CURRITUCK	0	0.00	2	3.35	3.72
28 DARE	0	0.00	6	8.02	10.98
29 DAVIDSON	10	8.55	55	9.58	10.91
30 DAVIE	2	7.30	9	6.79	5.95
31 DUPLIN	5	11.98	21	10.19	8.82
32 DURHAM	14	8.73	86	10.99	9.19
33 EDGECOMBE	6	10.39	28	9.86	7.62
34 FORSYTH	17	6.66	101	8.09	7.75
35 FRANKLIN	3	9.45	27	17.48	11.83
36 GASTON	20	11.90	73	8.81	11.27
37 GATES	0	0.00	5	11.03	6.09
38 GRAHAM	0	0.00	1	2.80	2.21
39 GRANVILLE	7	19.31	32	18.18	14.54
40 GREENE	0	0.00	1	1.22	0.77
41 GUILFORD	29	8.93	102	6.36	6.53

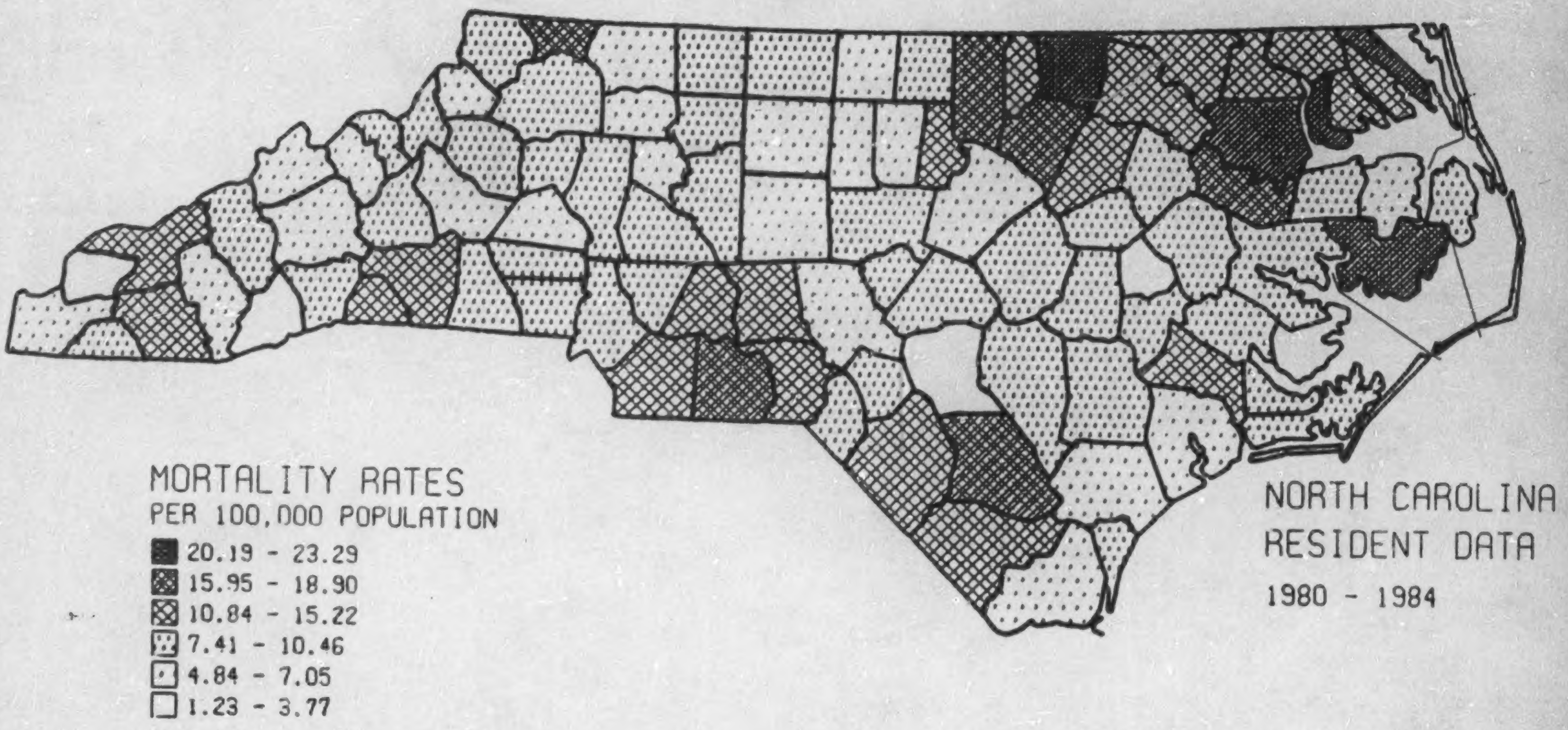
* SEE SECTION I

MORTALITY STATISTICS FOR 1984, NORTH CAROLINA RESIDENTS
NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
42 HALIFAX	14	25.13	38	13.67	10.99
43 HARNETT	5	8.04	29	9.49	9.74
44 HAYWOOD	3	6.33	22	9.36	5.96
45 HENDERSON	8	12.31	24	7.74	3.99
46 HERTFORD	3	12.60	16	13.54	8.73
47 HOKE	1	4.44	10	9.24	7.17
48 HYDE	1	16.86	6	20.19	17.42
49 IREDELL	7	8.08	33	7.80	7.61
50 JACKSON	1	3.67	9	6.75	11.00
51 JOHNSTON	5	6.66	38	10.46	10.36
52 JONES	2	20.30	7	14.34	14.76
53 LEE	5	12.74	19	10.04	10.03
54 LENOIR	8	13.17	29	9.63	7.74
55 LINCOLN	1	2.25	20	9.23	10.89
56 MCDOWELL	2	5.52	15	8.35	8.38
57 MACON	2	8.78	12	11.09	5.20
58 MADISON	1	5.82	6	6.99	4.46
59 MARTIN	2	7.46	21	15.94	13.26
60 MECKLENBURG	43	9.96	156	7.45	8.57
61 MITCHELL	0	0.00	7	9.74	5.25
62 MONTGOMERY	5	21.04	14	12.16	10.06
63 MOORE	4	7.39	15	5.75	4.45
64 NASH	7	9.95	45	13.06	11.56
65 NEW HANOVER	14	12.71	44	8.21	8.45
66 NORTHAMPTON	2	9.00	15	13.34	9.05
67 ONSLOW	7	5.82	30	5.18	12.19
68 ORANGE	3	3.69	26	6.59	8.05
69 PAMLICO	0	0.00	2	3.77	3.26
70 PASQUOTANK	3	10.34	17	11.88	9.09
71 PENDER	5	21.04	8	6.97	5.70
72 PERQUIMANS	1	10.06	7	14.47	7.12
73 PERSON	2	6.63	11	7.40	5.90
74 PITT	10	10.47	35	7.51	6.73
75 POLK	2	14.03	9	13.14	10.47
76 RANDOLPH	6	6.24	33	7.03	8.50
77 RICHMOND	7	15.34	33	14.48	12.31
78 ROBESON	14	13.26	58	11.18	9.51
79 ROCKINGHAM	6	7.04	37	8.74	8.31
80 ROWAN	5	4.92	48	9.52	8.04
81 RUTHERFORD	5	8.88	35	12.71	12.04
82 SAMPSON	6	11.91	25	10.00	8.17
83 SCOTLAND	3	8.87	17	10.28	8.49
84 STANLY	6	12.06	29	11.87	12.57
85 STOKES	2	5.70	15	8.74	10.11
86 SURRY	5	8.24	21	6.98	6.69
87 SWAIN	3	28.08	8	15.22	11.12
88 TRANSYLVANIA	2	8.02	3	2.47	1.56
89 TYRRELL	0	0.00	1	4.84	7.93
90 UNION	10	13.10	51	13.88	16.97
91 VANCE	5	13.26	24	12.90	8.78
92 WAKE	13	3.84	83	5.22	6.88
93 WARREN	5	30.36	19	23.29	9.12
94 WASHINGTON	3	20.88	7	9.60	7.09
95 WATAUGA	2	5.86	9	5.43	4.27
96 WAYNE	8	8.12	48	9.81	10.37
97 WILKES	9	14.88	25	8.38	9.01
98 WILSON	6	9.32	51	9.72	8.77
99 YADKIN	0	0.00	9	6.19	8.98
100 YANCEY	1	6.49	5	6.59	4.57

* SEE SECTION I

NEPHRITIS, NEPHROTIC SYNDROME, NEPHROSIS


MORTALITY RATES
PER 100,000 POPULATION
▇ 20.19 - 23.29
▩ 15.95 - 18.90
▨ 10.84 - 15.22
⁘ 7.41 - 10.46
⊡ 4.84 - 7.05
☐ 1.23 - 3.77

NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 23.A

NEPHRITIS, NEPHROTIC SYNDROME, NEPHROSIS

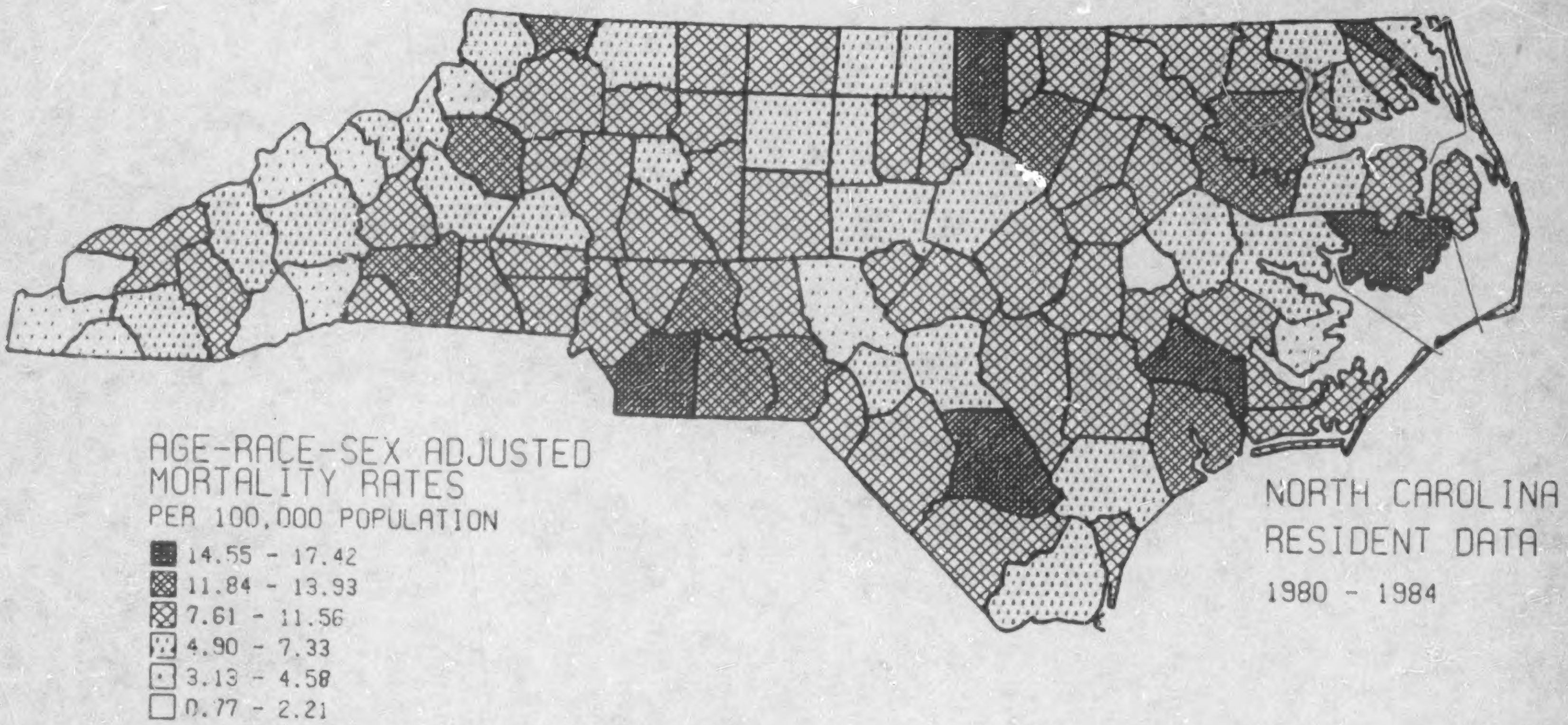

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
▩ 14.55 - 17.42
▩ 11.84 - 13.93
▨ 7.61 - 11.56
▦ 4.90 - 7.33
▫ 3.13 - 4.58
☐ 0.77 - 2.21
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 23.B

TABLE 24

MORTALITY STATISTICS FOR 1984

NORTH CAROLINA RESIDENTS

MOTOR VEHICLE ACCIDENTS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE* 1980-84
NORTH CAROLINA	1484	24.07	7221	23.96	23.96
REGIONS					
DHR I WESTERN	477	22.62	2334	22.61	22.88
DHR II N. CENTRAL	268	20.53	1456	22.67	23.13
DHR III S. CENTRAL	397	27.60	1745	25.00	24.39
DHR IV EASTERN	342	26.05	1686	26.31	25.91
HSA I WESTERN	238	22.47	1224	23.53	24.37
HSA II PIEDMONT	221	19.17	1240	21.85	22.33
HSA III S. PIEDMONT	239	22.76	1110	21.68	22.06
HSA IV CAPITAL	222	25.19	954	22.52	22.00
HSA V CARDINAL	282	30.05	1328	28.89	28.72
HSA VI EASTERN	282	26.03	1365	25.74	25.15
COUNTIES					
1 ALAMANCE	14	13.83	105	20.93	21.93
2 ALEXANDER	8	30.18	37	28.64	31.79
3 ALLEGHANY	3	30.39	17	34.75	61.53
4 ANSON	12	46.02	39	30.19	29.22
5 ASHE	4	17.18	23	20.10	16.13
6 AVERY	3	20.04	16	21.65	16.43
7 BEAUFORT	10	23.35	52	24.93	28.22
8 BERTIE	16	74.91	44	41.35	47.87
9 BLADEN	8	26.04	44	28.67	29.46
10 BRUNSWICK	12	27.63	78	39.60	40.31
11 BUNCOMBE	24	14.49	163	19.94	20.19
12 BURKE	19	25.43	76	20.61	19.73
13 CABARRUS	26	28.44	102	22.92	22.36
14 CALDWELL	20	29.16	70	20.56	22.16
15 CAMDEN	2	34.27	6	20.75	19.09
16 CARTERET	8	16.97	45	20.36	21.88
17 CASWELL	9	41.31	36	33.77	27.92
18 CATAWBA	36	32.44	149	27.56	26.73
19 CHATHAM	15	42.88	50	29.14	27.62
20 CHEROKEE	2	10.01	18	18.51	24.00
21 CHOWAN	2	15.46	19	29.91	27.44
22 CLAY	1	14.15	4	11.55	10.36
23 CLEVELAND	23	27.26	119	28.38	29.40
24 COLUMBUS	22	42.43	104	40.26	41.21
25 CRAVEN	26	33.85	75	20.36	20.22
26 CUMBERLAND	74	29.06	296	23.56	22.73
27 CURRITUCK	2	15.53	14	23.46	23.85
28 DARE	8	48.86	25	33.43	34.08
29 DAVIDSON	33	28.24	146	25.43	25.39
30 DAVIE	3	10.95	24	18.11	19.56
31 DUPLIN	21	50.35	78	37.85	40.71
32 DURHAM	27	16.83	109	13.94	13.16
33 EDGECOMBE	15	25.97	73	25.73	28.29
34 FORSYTH	38	14.90	235	18.83	19.11
35 FRANKLIN	15	47.25	57	36.91	34.58
36 GASTON	44	26.18	182	21.98	22.86
37 GATES	6	65.33	18	39.71	37.68
38 GRAHAM	3	42.12	8	22.46	32.63
39 GRANVILLE	10	27.59	55	31.25	30.80
40 GREENE	4	24.27	26	31.96	25.87
41 GUILFORD	60	18.49	309	19.27	19.68

* SEE SECTION I

MORTALITY STATISTICS FOR 1984, NORTH CAROLINA RESIDENTS
MOTOR VEHICLE ACCIDENTS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
42 HALIFAX	13	23.33	71	25.55	22.39
43 HARNETT	20	32.19	107	35.03	34.77
44 HAYWOOD	9	19.01	43	18.30	21.44
45 HENDERSON	14	21.55	74	23.89	24.18
46 HERTFORD	6	25.20	35	29.62	27.60
47 HOKE	4	17.77	27	24.96	24.68
48 HYDE	0	0.00	7	23.56	25.81
49 IREDELL	26	30.01	105	24.82	25.35
50 JACKSON	2	7.35	18	13.50	16.14
51 JOHNSTON	41	54.65	134	36.88	38.39
52 JONES	1	10.15	16	32.78	37.49
53 LEE	10	25.48	52	27.49	28.98
54 LENOIR	19	31.28	82	27.24	29.32
55 LINCOLN	15	33.84	60	27.69	28.89
56 MCDOWELL	4	11.04	38	21.16	24.09
57 MACON	4	17.56	25	23.10	28.11
58 MADISON	6	34.96	28	32.63	24.83
59 MARTIN	0	0.00	37	28.10	26.02
60 MECKLENBURG	72	16.67	378	18.07	18.36
61 MITCHELL	5	35.[illegible]	32	44.53	34.79
62 MONTGOMERY	6	25.2[illegible]	32	27.80	28.60
63 MOORE	18	33.29	74	28.37	29.75
64 NASH	13	18.[illegible]8	104	30.18	30.88
65 NEW HANOVER	21	19.06	103	19.22	18.97
66 NORTHAMPTON	2	9.00	29	25.79	24.66
67 ONSLOW	29	24.13	120	20.73	18.58
68 ORANGE	15	18.49	96	24.35	24.16
69 PAMLICO	6	55.25	24	45.29	50.95
70 PASQUOTANK	3	10.34	25	17.47	17.37
71 PENDER	5	21.04	36	31.38	32.07
72 PERQUIMANS	7	70.45	15	31.02	30.47
73 PERSON	11	36.48	33	22.21	23.00
74 PITT	14	14.66	96	20.59	21.83
75 POLK	5	35.09	15	21.91	17.53
76 RANDOLPH	28	29.14	124	26.42	31.30
77 RICHMOND	17	37.25	63	27.65	28.08
78 ROBESON	35	33.17	179	34.50	31.09
79 ROCKINGHAM	17	19.95	115	27.16	27.79
80 ROWAN	25	24.61	126	25.01	25.42
81 RUTHERFORD	19	33.76	83	30.14	30.12
82 SAMPSON	17	33.76	92	36.82	38.25
83 SCOTLAND	11	32.54	54	32.66	34.68
84 STANLY	10	20.10	55	22.52	24.50
85 STOKES	3	8.55	46	26.80	30.29
86 SURRY	7	11.54	61	20.29	21.55
87 SWAIN	2	18.72	24	45.66	49.56
88 TRANSYLVANIA	2	8.02	14	11.55	9.37
89 TYRRELL	0	0.00	4	19.37	16.05
90 UNION	21	27.51	102	27.77	29.39
91 VANCE	8	21.22	46	24.72	29.12
92 WAKE	67	19.81	297	18.69	18.25
93 WARREN	3	18.21	25	30.64	30.51
94 WASHINGTON	4	27.84	14	19.21	20.42
95 WATAUGA	3	8.80	28	16.91	12.95
96 WAYNE	25	25.38	119	24.34	25.19
97 WILKES	14	23.15	79	26.49	36.68
98 WILSON	20	31.06	92	28.86	30.43
99 YADKIN	9	30.73	39	26.83	26.39
100 YANCEY	3	19.49	23	30.32	33.33

* SEE SECTION I

MOTOR VEHICLE ACCIDENTS

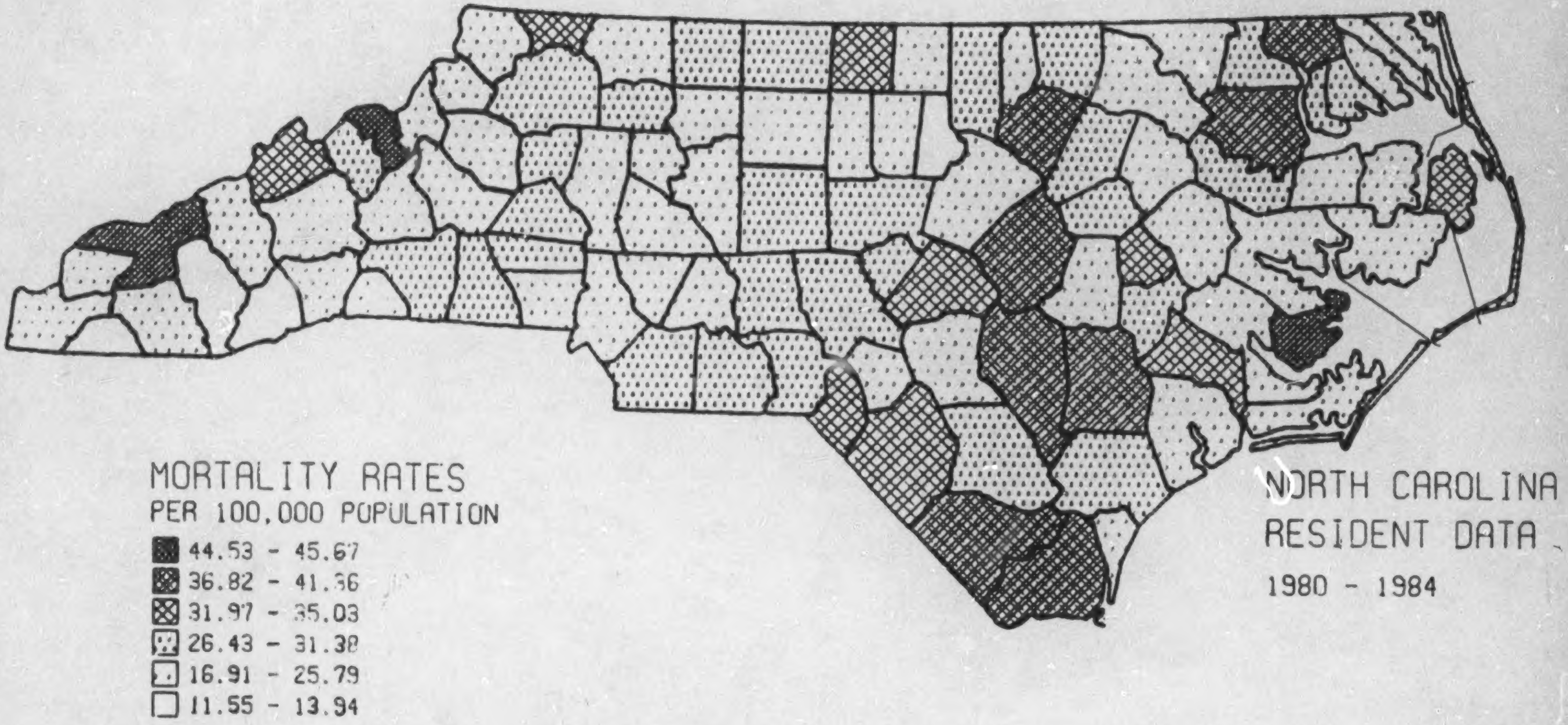
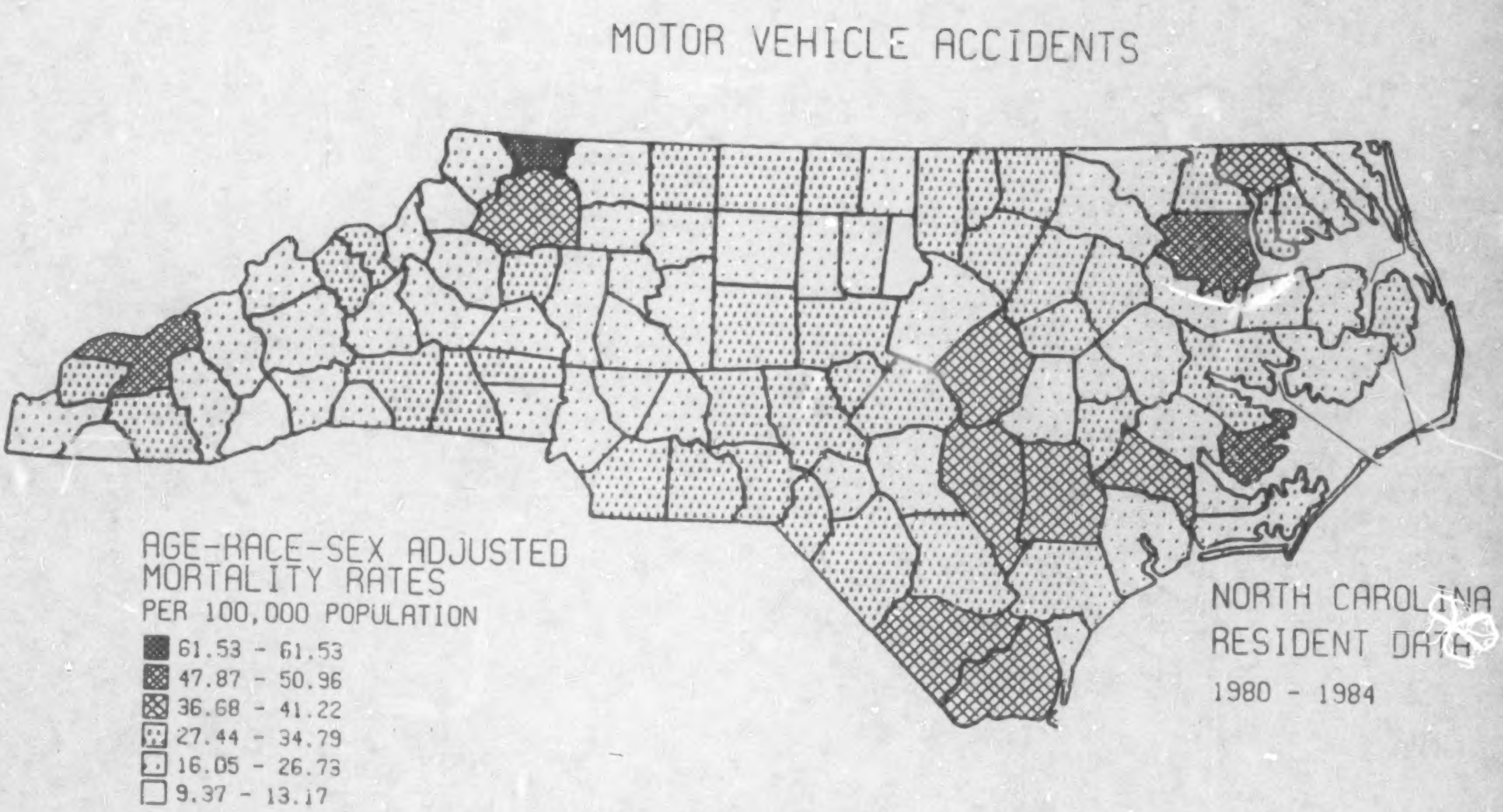

MORTALITY RATES
PER 100,000 POPULATION
▩ 44.53 - 45.67
▩ 36.82 - 41.36
▩ 31.97 - 35.03
▩ 26.43 - 31.38
▩ 16.91 - 25.79
☐ 11.55 - 13.94
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 24.A



MOTOR VEHICLE ACCIDENTS

AGE-RACE-SEX ADJUSTED MORTALITY RATES
PER 100,000 POPULATION
▨ 61.53 - 61.53
▨ 47.87 - 50.96
▨ 36.68 - 41.22
▨ 27.44 - 34.79
▨ 16.05 - 26.73
☐ 9.37 - 13.17

NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 24.B

TABLE 25

MORTALITY STATISTICS FOR 1984

NORTH CAROLINA RESIDENTS

ALL OTHER ACCIDENTS AND ADVERSE EFFECTS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE* 1980-84
NORTH CAROLINA	1399	22.69	7305	24.24	24.24
REGIONS					
DHR I WESTERN	457	21.67	2439	23.63	23.92
DHR II N. CENTRAL	272	20.84	1452	22.61	22.45
DHR III S. CENTRAL	328	22.80	1668	23.89	24.56
DHR IV EASTERN	342	26.05	1746	27.24	26.32
HSA I WESTERN	235	22.19	1293	24.86	25.08
HSA II PIEDMONT	232	20.12	1219	21.48	21.90
HSA III S. PIEDMONT	222	21.14	1146	22.38	23.07
HSA IV CAPITAL	179	20.31	964	22.76	22.89
HSA V CARDINAL	245	26.11	1239	26.95	26.94
HSA VI EASTERN	286	26.39	1444	27.23	26.15
COUNTIES					
1 ALAMANCE	24	23.71	117	23.32	23.08
2 ALEXANDER	1	3.77	34	26.31	28.36
3 ALLEGHANY	1	10.13	14	28.62	18.72
4 ANSON	14	53.69	41	31.74	27.89
5 ASHE	6	25.77	30	26.23	17.15
6 AVERY	5	33.40	17	23.00	71.54*
7 BEAUFORT	12	28.02	72	34.52	32.00
8 BERTIE	13	60.86	44	41.35	28.26
9 BLADEN	5	16.27	60	39.09	36.59
10 BRUNSWICK	15	34.53	63	31.99	31.85
11 BUNCOMBE	49	29.59	217	26.54	24.49
12 BURKE	18	24.09	77	20.88	21.55
13 CABARRUS	21	22.97	105	23.59	24.35
14 CALDWELL	9	13.12	71	20.85	24.17
15 CAMDEN	0	0.00	13	44.97	43.67
16 CARTERET	12	25.46	43	19.46	21.15
17 CASWELL	6	27.54	29	27.20	24.75
18 CATAWBA	19	17.12	97	17.94	20.35
19 CHATHAM	10	28.59	45	26.22	24.05
20 CHEROKEE	3	15.01	19	19.54	13.45
21 CHOWAN	4	30.92	18	28.53	26.13
22 CLAY	1	14.15	13	37.55	27.08
23 CLEVELAND	24	28.44	109	26.00	26.73
24 COLUMBUS	13	25.07	86	33.29	31.19
25 CRAVEN	12	15.62	93	25.25	26.19
26 CUMBERLAND	57	22.38	255	20.29	24.99
27 CURRITUCK	3	23.29	19	31.84	32.81
28 DARE	9	54.97	25	33.43	30.37
29 DAVIDSON	22	18.82	124	21.60	26.00
30 DAVIE	3	10.95	19	14.34	14.68
31 DUPLIN	13	31.16	64	31.05	26.74
32 DURHAM	43	26.81	188	24.04	23.07
33 EDGECOMBE	17	29.44	98	34.54	34.19
34 FORSYTH	49	19.22	239	19.15	18.71
35 FRANKLIN	8	25.20	51	33.02	25.58
36 GASTON	41	24.40	190	22.94	24.23
37 GATES	3	32.66	11	24.26	19.78
38 GRAHAM	2	28.08	14	39.31	55.48
39 GRANVILLE	10	27.59	52	29.54	24.70
40 GREENE	15	91.03	29	35.65	39.34
41 GUILFORD	73	22.49	319	19.90	19.81

* SEE SECTION I

MORTALITY STATISTICS FOR 1984, NORTH CAROLINA RESIDENTS
ALL OTHER ACCIDENTS AND ADVERSE EFFECTS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
42 HALIFAX	8	14.36	80	28.79	25.21
43 HARNETT	15	24.14	78	25.53	25.91
44 HAYWOOD	8	16.90	57	24.26	17.38
45 HENDERSON	10	15.39	89	28.73	26.66
46 HERTFORD	10	42.00	43	36.39	27.18
47 HOKE	6	26.66	25	23.11	22.89
48 HYDE	4	67.44	16	53.85	51.64
49 IREDELL	23	26.55	112	26.47	26.89
50 JACKSON	7	25.74	34	25.51	29.02
51 JOHNSTON	15	19.99	106	29.18	29.85
52 JONES	2	20.30	11	22.53	21.58
53 LEE	7	17.83	40	21.14	21.27
54 LENOIR	17	27.99	81	26.91	24.62
55 LINCOLN	9	20.30	46	21.23	22.26
56 MCDOWELL	10	27.60	53	29.51	29.03
57 MACON	5	21.95	26	24.03	27.35
58 MADISON	8	46.62	35	40.78	27.83
59 MARTIN	11	41.08	47	35.69	34.05
60 MECKLENBURG	76	17.60	433	20.70	21.69
61 MITCHELL	6	42.09	24	33.40	52.34*
62 MONTGOMERY	7	29.46	33	28.66	27.59
63 MOORE	15	27.74	74	28.37	25.27
64 NASH	14	19.90	86	24.96	24.70
65 NEW HANOVER	22	19.97	110	20.53	21.29
66 NORTHAMPTON	4	18.00	34	30.23	19.23
67 ONSLOW	25	20.80	109	18.83	24.24
68 ORANGE	11	13.56	55	13.95	16.36
69 PAMLICO	6	55.25	22	41.52	34.43
70 PASQUOTANK	10	34.49	43	30.06	27.98
71 PENDER	6	25.25	43	37.48	37.09
72 PERQUIMANS	3	30.19	15	31.02	29.15
73 PERSON	5	16.58	35	23.56	22.77
74 PITT	28	29.33	111	23.81	24.20
75 POLK	2	14.03	25	36.52	22.66
76 RANDOLPH	10	10.40	93	19.82	23.81
77 RICHMOND	10	21.91	64	28.09	27.22
78 ROBESON	28	26.53	154	29.68	27.87
79 ROCKINGHAM	13	15.26	127	30.00	29.94
80 ROWAN	29	28.55	128	25.40	23.44
81 RUTHERFORD	8	14.21	73	26.51	26.33
82 SAMPSON	26	51.63	106	42.42	39.10
83 SCOTLAND	6	17.75	47	28.42	26.20
84 STANLY	9	18.09	68	27.85	24.96
85 STOKES	11	31.38	35	20.39	28.85
86 SURRY	13	21.43	77	25.62	32.22
87 SWAIN	9	84.24	23	43.76	40.27
88 TRANSYLVANIA	1	4.01	21	17.32	12.96
89 TYRRELL	4	96.22	9	43.60	34.38
90 UNION	14	18.34	64	17.42	19.53
91 VANCE	9	23.87	61	32.79	29.32
92 WAKE	53	15.67	297	18.69	21.50
93 WARREN	8	48.58	34	41.67	25.62
94 WASHINGTON	4	27.84	22	30.19	26.42
95 WATAUGA	2	5.86	23	13.89	11.95
96 WAYNE	14	14.21	98	20.04	18.84
97 WILKES	12	19.84	72	24.14	24.86
98 WILSON	9	13.98	88	27.60	26.37
99 YADKIN	8	27.31	40	27.52	35.00
100 YANCEY	9	58.47	26	34.28	24.25

* SEE SECTION I

ALL OTHER ACCIDENTS AND ADVERSE EFFECTS

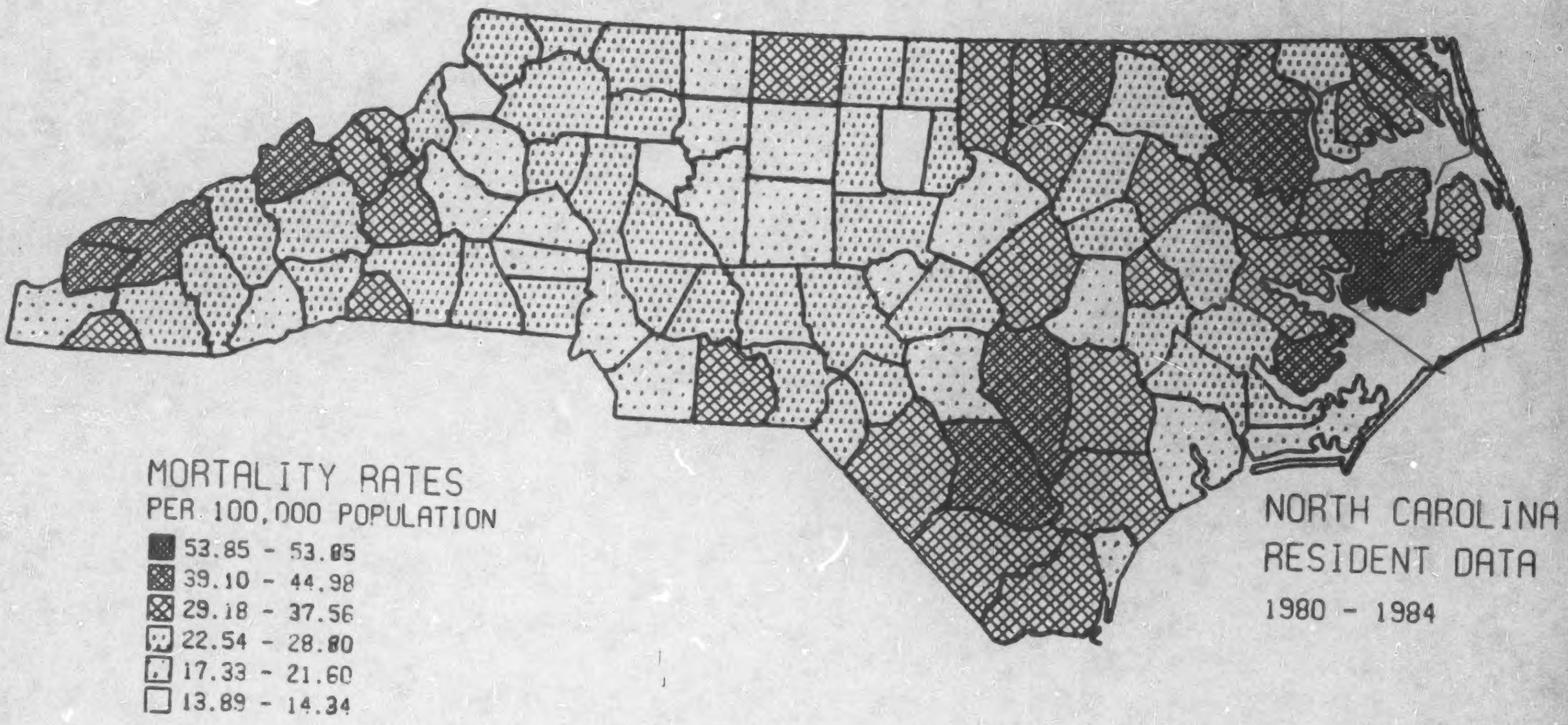

MORTALITY RATES
PER 100,000 POPULATION
■ 53.85 - 53.85
▩ 39.10 - 44.98
▨ 29.18 - 37.56
░ 22.54 - 28.80
☐ 17.33 - 21.60
☐ 13.89 - 14.34
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 25.A

ALL OTHER ACCIDENTS AND ADVERSE EFFECTS

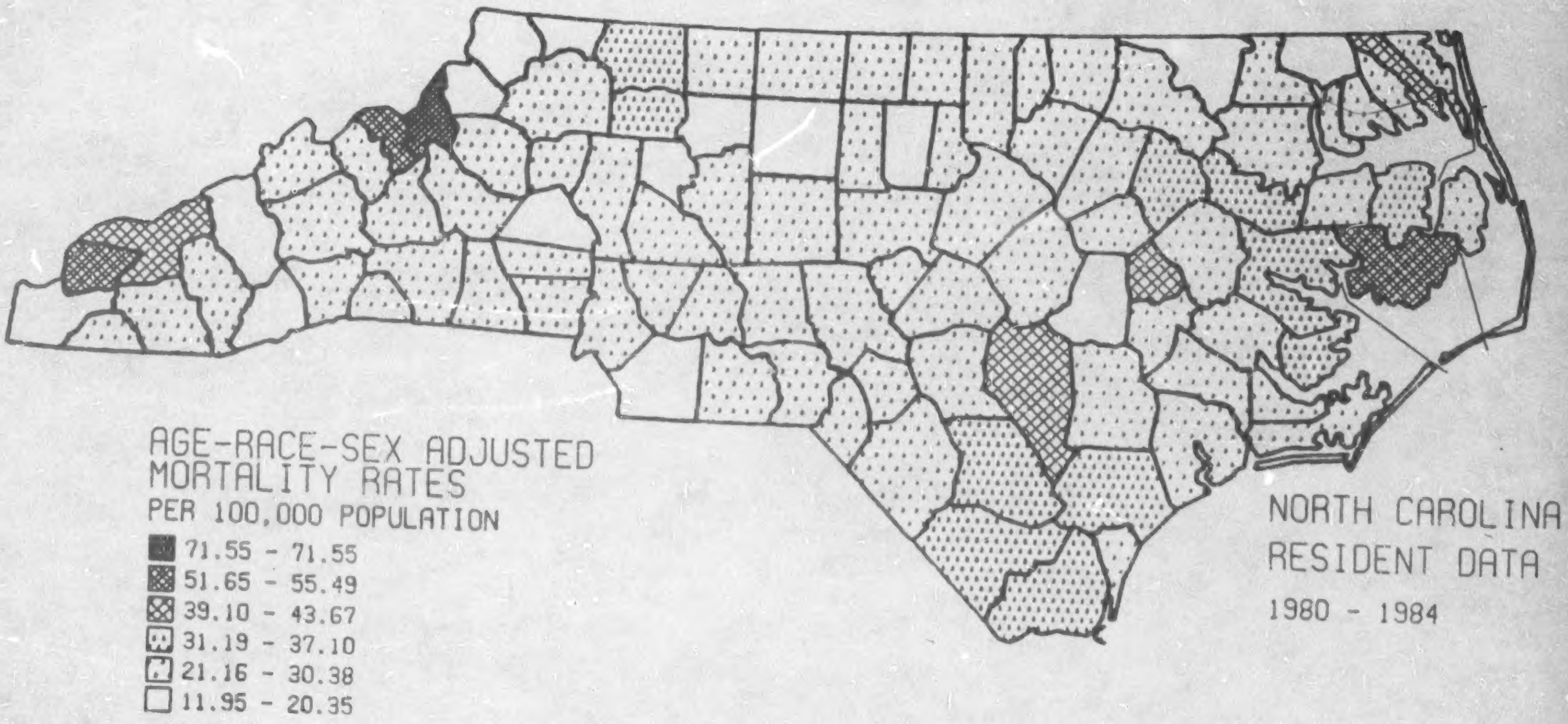

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
■ 71.55 - 71.55
▩ 51.65 - 55.49
▨ 39.10 - 43.67
▦ 31.19 - 37.10
▤ 21.16 - 30.38
□ 11.95 - 20.35
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 25.B

TABLE 26

MORTALITY STATISTICS FOR 1984

NORTH CAROLINA RESIDENTS

SUICIDE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE* 1980-84
NORTH CAROLINA	820	13.30	3791	12.58	12.58
REGIONS					
DHR I WESTERN	303	14.36	1365	13.22	12.22
DHR II N. CENTRAL	173	13.25	875	13.62	13.35
DHR III S. CENTRAL	166	11.54	807	11.56	12.57
DHR IV EASTERN	178	13.56	744	11.61	12.61
HSA I WESTERN	168	15.86	743	14.28	12.68
HSA II PIEDMONT	155	13.44	782	13.77	13.25
HSA III S. PIEDMONT	135	12.86	622	12.14	11.86
HSA IV CAPITAL	107	12.14	513	12.11	12.64
HSA V CARDINAL	107	11.40	541	11.77	13.17
HSA VI EASTERN	148	13.66	590	11.12	12.30
COUNTIES					
1 ALAMANCE	17	16.79	72	14.35	13.55
2 ALEXANDER	3	11.31	23	17.80	14.69
3 ALLEGHANY	1	10.13	7	14.31	9.14
4 ANSON	1	3.83	11	8.51	11.54
5 ASHE	7	30.07	27	23.60	18.90
6 AVERY	1	6.68	7	9.47	7.41
7 BEAUFORT	8	18.68	26	12.46	13.31
8 BERTIE	3	14.04	14	13.15	17.41
9 BLADEN	2	6.51	12	7.81	9.04
10 BRUNSWICK	5	11.51	25	12.69	11.90
11 BUNCOMBE	35	21.13	139	17.00	15.47
12 BURKE	16	21.41	52	14.10	12.84
13 CABARRUS	9	9.84	62	13.93	12.66
14 CALDWELL	8	11.66	58	17.03	17.69
15 CAMDEN	2	34.27	6	20.75	20.40
16 CARTERET	4	8.48	16	7.24	5.65
17 CASWELL	1	4.59	9	8.44	10.96
18 CATAWBA	14	12.61	66	12.20	11.31
19 CHATHAM	4	11.43	15	8.74	8.68
20 CHEROKEE	5	25.02	9	9.25	7.18
21 CHOWAN	1	7.73	9	14.16	14.55
22 CLAY	1	14.15	6	17.33	12.66
23 CLEVELAND	11	13.03	45	10.73	10.55
24 COLUMBUS	6	11.57	40	15.48	16.45
25 CRAVEN	8	10.41	37	10.04	11.91
26 CUMBERLAND	22	8.64	147	11.70	14.59
27 CURRITUCK	4	31.06	10	16.75	14.98
28 DARE	6	36.64	12	16.04	11.95
29 DAVIDSON	16	13.69	78	13.59	12.24
30 DAVIE	7	25.56	24	18.11	16.02
31 DUPLIN	5	11.98	16	7.76	7.34
32 DURHAM	26	16.21	89	11.38	12.80
33 EDGECOMBE	6	10.39	30	10.57	14.81
34 FORSYTH	34	13.33	164	13.14	13.24
35 FRANKLIN	2	6.30	12	7.77	8.31
36 GASTON	20	11.90	115	13.88	13.29
37 GATES	2	21.77	5	11.03	19.35
38 GRAHAM	2	28.08	5	14.03	11.00
39 GRANVILLE	8	22.07	28	15.91	17.30
40 GREENE	3	18.20	7	8.60	8.37
41 GUILFORD	32	9.86	210	13.10	13.28

* SEE SECTION I

MORTALITY STATISTICS FOR 1984, NORTH CAROLINA RESIDENTS
SUICIDE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
42 HALIFAX	3	5.38	22	7.91	8.41
43 HARNETT	10	16.09	40	13.09	13.48
44 HAYWOOD	5	10.56	27	11.49	8.31
45 HENDERSON	14	21.55	46	14.85	14.29
46 HERTFORD	2	8.40	9	7.61	7.18
47 HOKE	3	13.33	11	10.16	12.16
48 HYDE	1	16.86	4	13.46	14.68
49 IREDELL	10	11.54	51	12.05	11.17
50 JACKSON	3	11.03	17	12.75	12.33
51 JOHNSTON	12	15.99	65	17.89	17.09
52 JONES	3	30.45	6	12.29	13.66
53 LEE	1	2.54	20	10.57	10.81
54 LENOIR	10	16.46	36	11.96	13.95
55 LINCOLN	5	11.28	27	12.46	13.10
56 MCDOWELL	4	11.04	17	9.46	7.48
57 MACON	3	13.17	18	16.63	12.63
58 MADISON	3	17.48	10	11.65	8.86
59 MARTIN	3	11.20	15	11.39	14.37
60 MECKLENBURG	55	12.74	217	10.37	10.82
61 MITCHELL	2	14.03	13	18.09	13.20
62 MONTGOMERY	4	16.83	17	14.76	14.93
63 MOORE	13	24.04	42	16.10	13.88
64 NASH	9	12.79	35	10.15	11.26
65 NEW HANOVER	13	11.80	69	12.87	12.83
66 NORTHAMPTON	1	4.50	10	8.89	12.22
67 ONSLOW	15	12.48	55	9.50	11.60
68 ORANGE	8	9.86	27	6.84	7.48
69 PAMLICO	1	9.20	10	18.87	18.70
70 PASQUOTANK	3	10.34	14	9.78	10.21
71 PENDER	6	25.25	20	17.43	18.51
72 PERQUIMANS	1	10.06	3	6.20	7.29
73 PERSON	6	19.90	29	19.52	19.81
74 PITT	13	13.61	62	13.30	15.75
75 POLK	2	14.03	12	17.53	18.05
76 RANDOLPH	13	13.53	68	14.49	13.05
77 RICHMOND	2	4.38	17	7.46	7.66
78 ROBESON	12	11.37	49	9.44	12.50
79 ROCKINGHAM	19	22.30	66	15.59	15.17
80 ROWAN	21	20.67	75	14.88	13.65
81 RUTHERFORD	10	17.77	35	12.71	11.36
82 SAMPSON	5	9.92	32	12.80	14.67
83 SCOTLAND	3	8.87	9	5.44	6.65
84 STANLY	6	12.06	38	15.56	15.06
85 STOKES	3	8.55	24	13.98	11.74
86 SURRY	9	14.83	49	16.30	13.09
87 SWAIN	1	9.36	6	11.41	10.50
88 TRANSYLVANIA	4	16.04	12	9.90	7.87
89 TYRRELL	0	0.00	2	9.68	11.85
90 UNION	9	11.79	37	10.07	10.06
91 VANCE	0	0.00	11	5.91	7.58
92 WAKE	38	11.23	204	12.83	12.81
93 WARREN	2	12.14	13	15.93	25.83
94 WASHINGTON	4	27.84	12	16.46	21.16
95 WATAUGA	2	5.86	27	16.30	13.49
96 WAYNE	15	15.23	59	12.06	13.65
97 WILKES	10	16.53	51	17.10	17.66
98 WILSON	12	18.64	48	15.05	16.22
99 YADKIN	4	13.65	18	12.38	12.41
100 YANCEY	1	6.49	8	10.54	8.37

* SEE SECTION I

SUICIDE

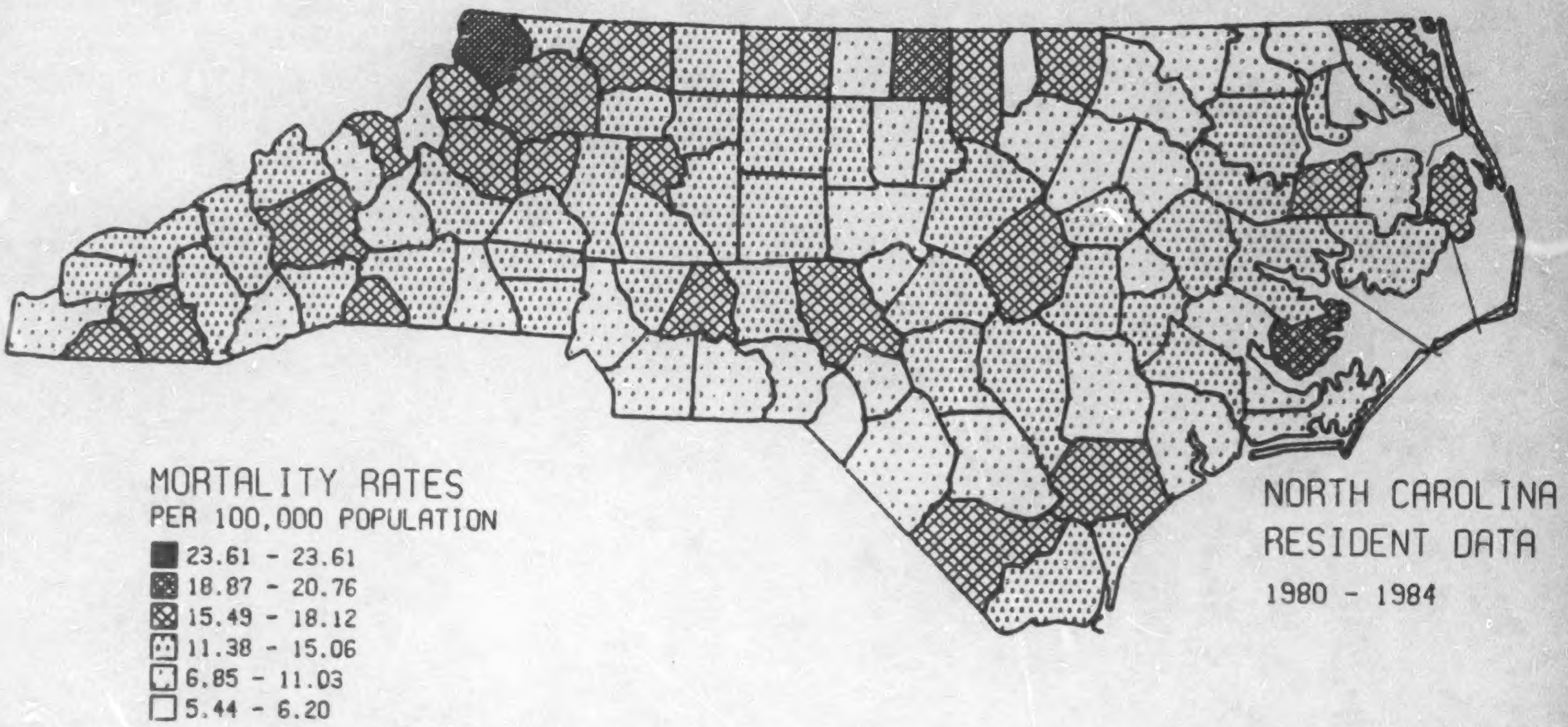

NORTH CAROLINA
RESIDENT DATA
1980 - 1984
MORTALITY RATES
PER 100,000 POPULATION
■ 23.61 - 23.61
▩ 18.87 - 20.76
▨ 15.49 - 18.12
▦ 11.38 - 15.06
⬚ 6.85 - 11.03
□ 5.44 - 6.20

FIGURE 26.A

SUICIDE

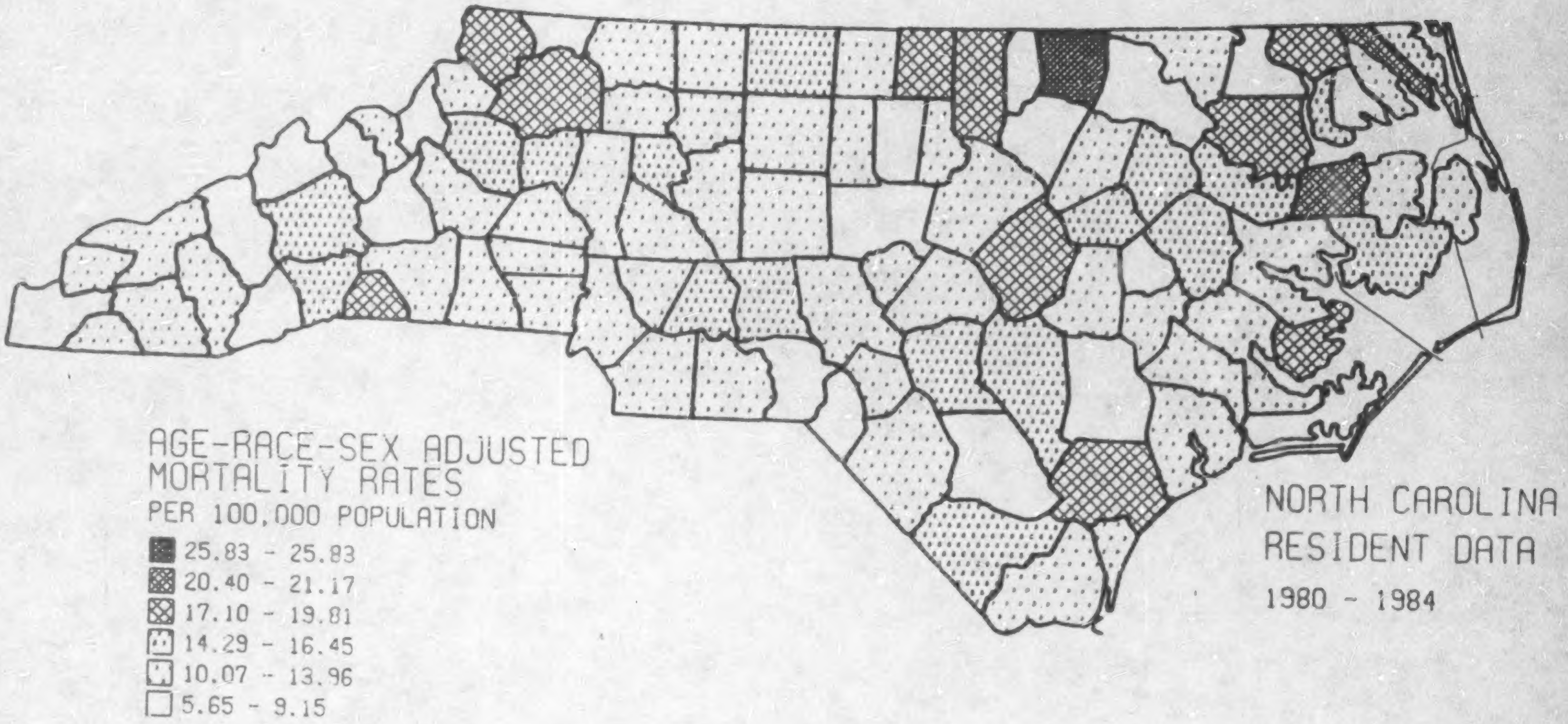

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
25.83 - 25.83
20.40 - 21.17
17.10 - 19.81
14.29 - 16.45
10.07 - 13.96
5.65 - 9.15
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 26.B

TABLE 27

MORTALITY STATISTICS FOR 1984

NORTH CAROLINA RESIDENTS

HOMICIDE

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
NORTH CAROLINA	523	8.48	3009	9.98	9.98
REGIONS					
DHR I WESTERN	183	8.67	975	9.44	11.81
DHR II N. CENTRAL	94	7.20	576	8.96	9.18
DHR III S. CENTRAL	142	9.87	816	11.69	10.36
DHR IV EASTERN	104	7.92	642	10.01	8.80
HSA I WESTERN	71	6.70	424	8.15	12.00
HSA II PIEDMONT	78	6.76	472	8.31	8.87
HSA III S. PIEDMONT	112	10.66	551	10.76	11.65
HSA IV CAPITAL	69	7.83	436	10.29	9.31
HSA V CARDINAL	116	12.36	591	12.85	11.22
HSA VI EASTERN	77	7.10	535	10.09	8.74
COUNTIES					
1 ALAMANCE	6	5.92	55	10.96	12.01
2 ALEXANDER	1	3.77	12	9.28	7.09
3 ALLEGHANY	0	0.00	3	6.13	4.73
4 ANSON	3	11.50	20	15.48	14.48
5 ASHE	1	4.29	5	4.37	3.57
6 AVERY	0	0.00	4	5.41	4.40
7 BEAUFORT	6	14.01	30	14.38	12.67
8 BERTIE	0	0.00	13	12.21	9.64
9 BLADEN	3	9.76	25	16.29	11.38
10 BRUNSWICK	3	6.90	14	7.10	7.51
11 BUNCOMBE	16	9.66	68	8.31	10.99
12 BURKE	7	9.36	40	10.84	13.90
13 CABARRUS	6	6.56	35	7.86	10.66
14 CALDWELL	5	7.29	33	9.69	10.07
15 CAMDEN	0	0.00	1	3.45	4.66
16 CARTERET	1	2.12	18	8.14	10.68
17 CASWELL	0	0.00	8	7.50	4.01
18 CATAWBA	9	8.11	53	9.80	14.63
19 CHATHAM	9	25.73	22	12.82	11.51
20 CHEROKEE	1	5.00	8	8.22	7.14
21 CHOWAN	2	15.46	6	9.44	9.32
22 CLAY	1	14.15	4	11.55	8.30
23 CLEVELAND	10	11.85	51	12.16	13.73
24 COLUMBUS	8	15.43	35	13.55	12.33
25 CRAVEN	5	6.50	31	8.41	8.18
26 CUMBERLAND	25	9.81	141	11.22	9.84
27 CURRITUCK	0	0.00	5	8.37	10.44
28 DARE	0	0.00	4	5.34	4.81
29 DAVIDSON	8	6.84	42	7.31	8.71
30 DAVIE	0	0.00	6	4.52	7.72
31 DUPLIN	2	4.79	20	9.70	7.99
32 DURHAM	16	9.97	91	11.63	9.90
33 EDGECOMBE	8	13.85	36	12.68	9.47
34 FORSYTH	27	10.59	122	9.77	9.65
35 FRANKLIN	4	12.60	24	15.54	12.00
36 GASTON	17	10.11	87	10.50	12.88
37 GATES	2	21.77	4	8.82	5.92
38 GRAHAM	0	0.00	1	2.80	2.54
39 GRANVILLE	5	13.79	20	11.36	10.21
40 GREENE	1	6.06	9	11.06	6.97
41 GUILFORD	18	5.54	133	8.29	7.90

* SEE SECTION I

MORTALITY STATISTICS FOR 1984, NORTH CAROLINA RESIDENTS
HOMICIDE CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
42 HALIFAX	8	14.36	31	11.15	8.50
43 HARNETT	5	8.04	51	16.69	17.31
44 HAYWOOD	1	2.11	7	2.98	2.32
45 HENDERSON	2	3.07	20	6.45	17.52
46 HERTFORD	2	8.40	9	7.61	4.48
47 HOKE	2	8.88	12	11.09	8.50
48 HYDE	1	16.86	4	13.46	11.35
49 IREDELL	10	11.54	39	9.21	10.71
50 JACKSON	2	7.35	15	11.25	11.05
51 JOHNSTON	8	10.66	45	12.38	13.39
52 JONES	0	0.00	1	2.04	1.24
53 LEE	1	2.54	16	8.45	8.82
54 LENOIR	2	3.29	35	11.62	9.71
55 LINCOLN	2	4.51	17	7.84	8.13
56 MCDOWELL	4	11.04	8	4.45	8.13
57 MACON	0	0.00	2	1.84	1.66
58 MADISON	2	11.65	14	16.31	12.12
59 MARTIN	1	3.73	12	9.11	7.72
60 MECKLENBURG	65	15.05	299	14.29	12.81
61 MITCHELL	2	14.03	3	4.17	3.21
62 MONTGOMERY	7	29.46	20	17.37	17.28
63 MOORE	4	7.39	23	8.81	9.96
64 NASH	5	7.10	53	15.38	14.60
65 NEW HANOVER	10	9.07	48	8.95	9.63
66 NORTHAMPTON	3	13.50	13	11.56	11.01
67 ONSLOW	2	1.66	37	6.39	6.02
68 ORANGE	5	6.16	27	6.84	7.19
69 PAMLICO	1	9.20	3	5.66	5.74
70 PASQUOTANK	2	6.89	10	6.99	6.25
71 PENDER	6	25.25	10	8.71	7.84
72 PERQUIMANS	0	0.00	2	4.13	4.11
73 PERSON	5	16.58	21	14.13	12.20
74 PITT	3	3.14	38	8.15	7.14
75 POLK	0	0.00	10	14.60	19.20
76 RANDOLPH	7	7.28	31	6.60	9.00
77 RICHMOND	9	19.72	45	19.75	19.87
78 ROBESON	19	18.00	96	18.50	15.22
79 ROCKINGHAM	6	7.04	42	9.92	10.38
80 ROWAN	7	6.89	41	8.13	9.04
81 RUTHERFORD	3	5.33	21	7.62	9.59
82 SAMPSON	6	11.91	31	12.40	10.66
83 SCOTLAND	6	17.75	20	12.09	10.24
84 STANLY	2	4.02	14	5.73	6.97
85 STOKES	2	5.70	11	6.41	6.22
86 SURRY	2	3.29	15	4.99	5.72
87 SWAIN	1	9.36	10	19.02	19.25
88 TRANSYLVANIA	1	4.01	4	3.30	2.72
89 TYRRELL	0	0.00	3	14.53	15.98
90 UNION	3	3.93	19	5.17	6.64
91 VANCE	2	5.30	24	12.90	11.03
92 WAKE	14	4.13	131	8.24	8.06
93 WARREN	0	0.00	15	18.38	10.43
94 WASHINGTON	1	6.96	6	8.23	4.58
95 WATAUGA	0	0.00	4	2.41	2.01
96 WAYNE	11	11.16	56	11.45	9.77
97 WILKES	2	3.30	21	7.04	10.18
98 WILSON	8	12.42	45	14.11	13.22
99 YADKIN	2	6.82	7	4.81	3.78
100 YANCEY	0	0.00	3	3.95	2.81

* SEE SECTION I

HOMICIDE

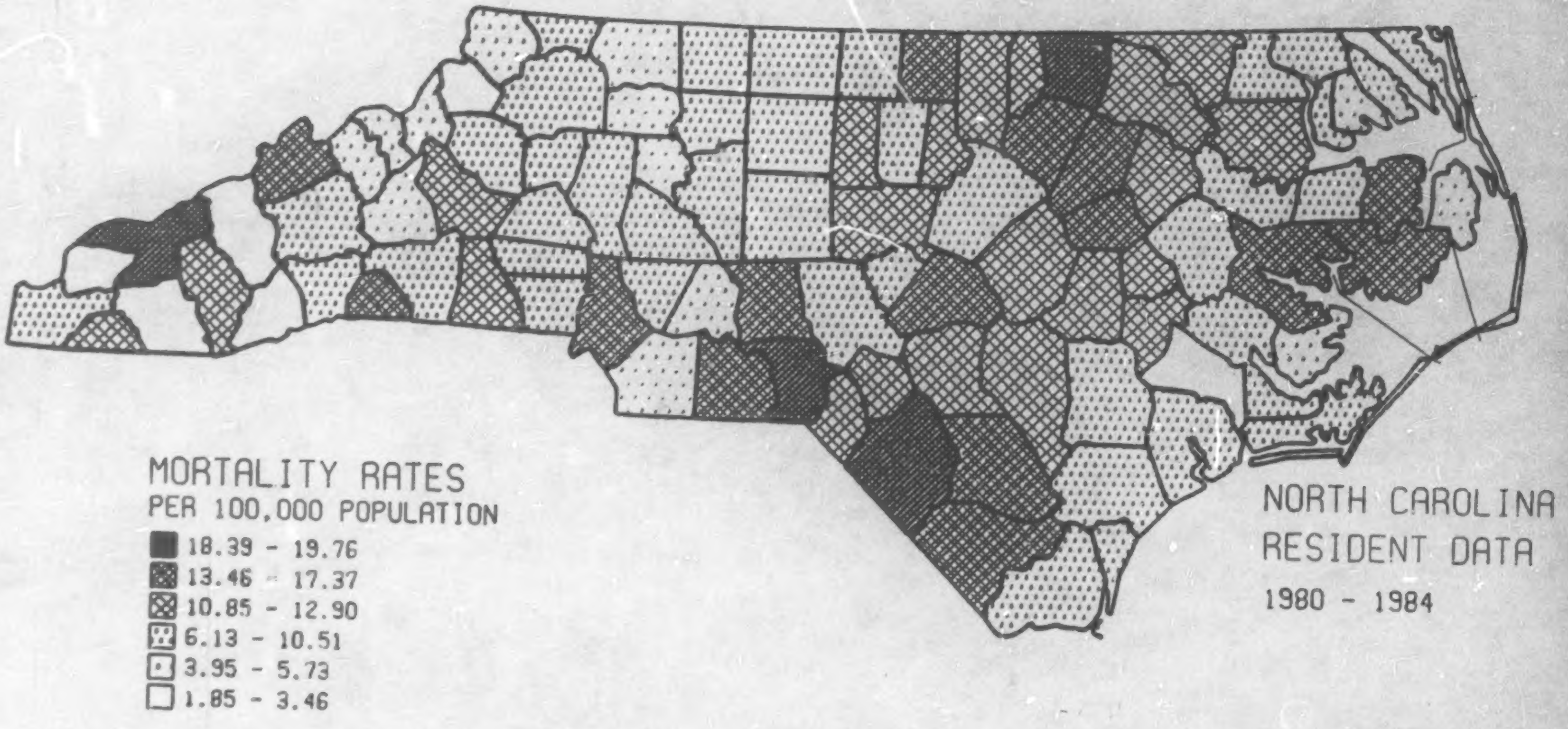

MORTALITY RATES
PER 100,000 POPULATION
■ 18.39 - 19.76
▩ 13.46 - 17.37
▨ 10.85 - 12.90
▦ 6.13 - 10.51
⊡ 3.95 - 5.73
☐ 1.85 - 3.46
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 27.A

HOMICIDE

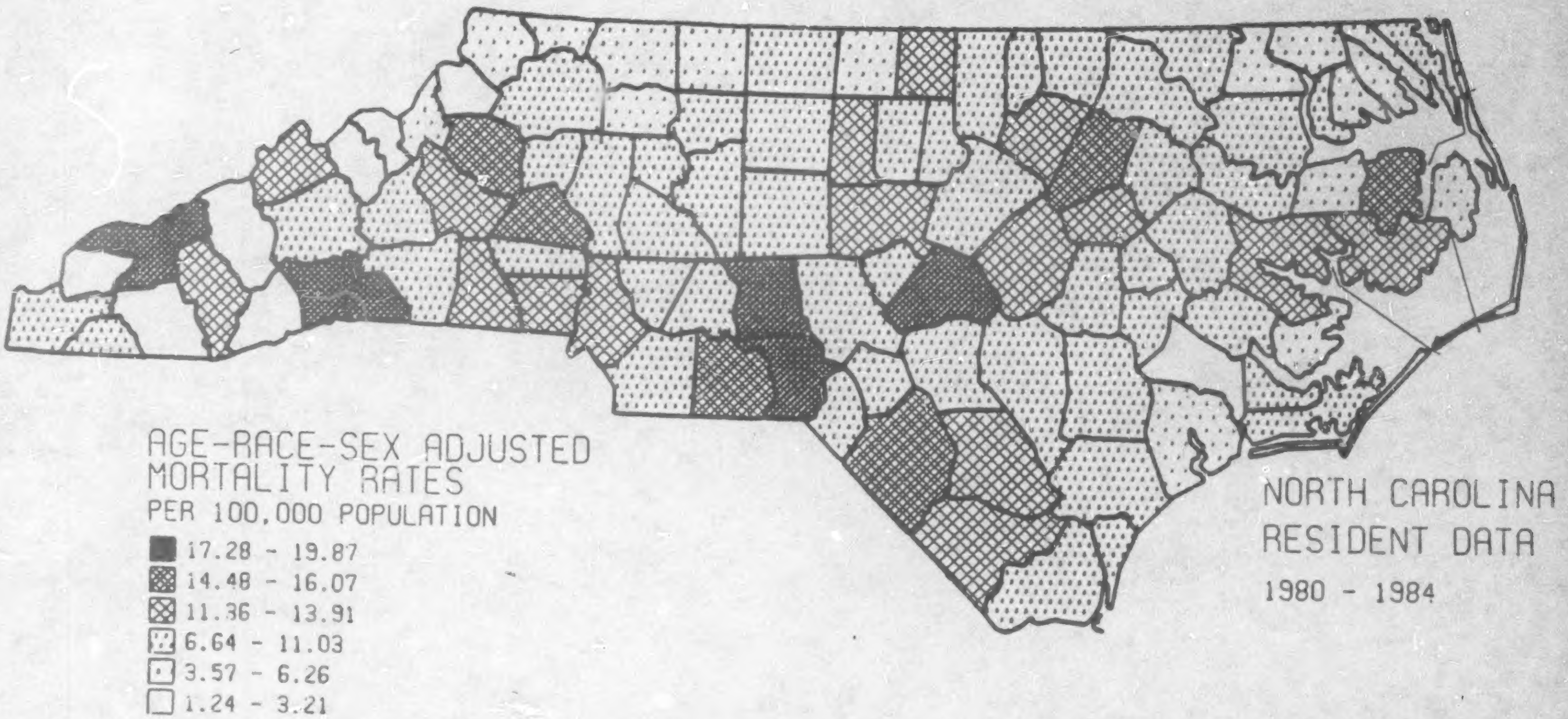

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
■ 17.28 - 19.87
▩ 14.48 - 16.07
▨ 11.36 - 13.91
⁘ 6.64 - 11.03
⊡ 3.57 - 6.26
☐ 1.24 - 3.21
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 27.B

TABLE 28

MORTALITY STATISTICS FOR 1984

NORTH CAROLINA RESIDENTS

INFANT DEATHS

GEOGRAPHICAL AREA	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE* 1980-84
NORTH CAROLINA	1077	12.52	5684	13.40	0.00
REGIONS					
DHR I WESTERN	311	11.40	1667	12.39	0.00
DHR II N. CENTRAL	214	13.27	1030	12.83	0.00
DHR III S. CENTRAL	297	13.58	1559	14.62	0.00
DHR IV EASTERN	255	12.29	1428	13.91	0.00
HSA I WESTERN	140	11.14	781	12.36	0.00
HSA II PIEDMONT	185	13.03	867	12.28	0.00
HSA III S. PIEDMONT	171	11.63	886	12.41	0.00
HSA IV CAPITAL	164	13.80	833	14.78	0.00
HSA V CARDINAL	206	13.68	1095	14.53	0.00
HSA VI EASTERN	211	11.99	1222	14.00	0.00
COUNTIES					
1 ALAMANCE	17	13.90	91	15.51	0.00
2 ALEXANDER	4	11.04	24	14.23	0.00
3 ALLEGHANY	0	0.00	8	15.00	0.00
4 ANSON	6	16.12	33	17.86	0.00
5 ASHE	3	12.00	21	15.52	0.00
6 AVERY	0	0.00	9	9.39	0.00
7 BEAUFORT	9	16.48	33	11.49	0.00
8 BERTIE	4	11.94	26	15.68	0.00
9 BLADEN	6	14.81	26	12.78	0.00
10 BRUNSWICK	8	12.69	33	11.88	0.00
11 BUNCOMBE	21	10.58	110	11.09	0.00
12 BURKE	8	9.48	53	12.39	0.00
13 CABARRUS	13	10.84	64	11.19	0.00
14 CALDWELL	8	9.36	54	12.74	0.00
15 CAMDEN	1	14.70	3	8.77	0.00
16 CARTERET	7	10.05	38	11.12	0.00
17 CASWELL	0	0.00	14	11.10	0.00
18 CATAWBA	15	11.05	89	12.92	0.00
19 CHATHAM	9	17.82	32	13.18	0.00
20 CHEROKEE	1	4.21	8	6.75	0.00
21 CHOWAN	5	26.04	16	17.50	0.00
22 CLAY	0	0.00	2	4.86	0.00
23 CLEVELAND	25	23.43	98	17.86	0.00
24 COLUMBUS	13	17.06	74	18.13	0.00
25 CRAVEN	16	10.28	91	11.90	0.00
26 CUMBERLAND	74	14.04	392	14.85	0.00
27 CURRITUCK	2	10.58	16	18.97	0.00
28 DARE	2	8.03	6	5.53	0.00
29 DAVIDSON	18	12.21	77	10.66	0.00
30 DAVIE	7	23.17	18	12.51	0.00
31 DUPLIN	7	12.13	46	16.45	0.00
32 DURHAM	34	15.94	161	15.36	0.00
33 EDGECOMBE	8	9.58	69	15.99	0.00
34 FORSYTH	38	11.68	185	11.65	0.00
35 FRANKLIN	5	12.31	22	11.70	0.00
36 GASTON	45	19.25	163	14.06	0.00
37 GATES	2	18.51	8	13.49	0.00
38 GRAHAM	1	9.80	3	6.09	0.00
39 GRANVILLE	6	14.05	32	15.28	0.00
40 GREENE	2	9.66	21	18.07	0.00
41 GUILFORD	59	14.61	260	12.65	0.00

* SEE SECTION I

MORTALITY STATISTICS FOR 1984, NORTH CAROLINA RESIDENTS
INFANT DEATHS CONT'D.

COUNTIES (CONT'D)	NUMBER OF DEATHS 1984	DEATH RATE* 1984	NUMBER OF DEATHS 1980-84	DEATH RATE* 1980-84	ADJUSTED DEATH RATE+ 1980-84
42 HALIFAX	7	7.72	85	18.96	0.00
43 HARNETT	12	11.73	59	12.29	0.00
44 HAYWOOD	3	5.80	30	11.97	0.00
45 HENDERSON	4	5.36	37	10.06	0.00
46 HERTFORD	4	10.89	26	14.16	0.00
47 HOKE	8	23.12	25	14.68	0.00
48 HYDE	2	24.39	10	23.31	0.00
49 IREDELL	11	10.40	57	10.60	0.00
50 JACKSON	2	7.90	19	12.73	0.00
51 JOHNSTON	11	10.92	65	13.41	0.00
52 JONES	1	7.75	11	16.92	0.00
53 LEE	7	11.60	46	15.49	0.00
54 LENOIR	12	15.40	62	14.90	0.00
55 LINCOLN	6	10.25	38	13.38	0.00
56 MCDOWELL	9	22.11	27	12.51	0.00
57 MACON	2	8.06	14	11.79	0.00
58 MADISON	2	10.81	14	15.02	0.00
59 MARTIN	7	18.81	33	17.82	0.00
60 MECKLENBURG	63	9.66	405	13.05	0.00
61 MITCHELL	1	5.52	8	8.56	0.00
62 MONTGOMERY	4	12.73	26	16.45	0.00
63 MOORE	8	11.23	40	11.31	0.00
64 NASH	9	9.24	87	17.02	0.00
65 NEW HANOVER	15	10.40	79	11.30	0.00
66 NORTHAMPTON	2	6.21	20	12.29	0.00
67 ONSLOW	37	11.55	194	13.02	0.00
68 ORANGE	12	12.47	60	13.23	0.00
69 PAMLICO	2	15.50	10	15.47	0.00
70 PASQUOTANK	9	20.27	30	13.16	0.00
71 PENDER	8	26.14	20	12.68	0.00
72 PERQUIMANS	1	7.14	4	5.98	0.00
73 PERSON	6	17.09	29	16.36	0.00
74 PITT	20	13.97	90	13.41	0.00
75 POLK	1	8.19	6	9.16	0.00
76 RANDOLPH	12	9.91	52	8.96	0.00
77 RICHMOND	12	21.27	54	17.69	0.00
78 ROBESON	17	9.46	135	14.92	0.00
79 ROCKINGHAM	13	12.58	74	13.74	0.00
80 ROWAN	11	8.37	66	10.21	0.00
81 RUTHERFORD	7	10.17	54	15.41	0.00
82 SAMPSON	8	13.79	48	14.34	0.00
83 SCOTLAND	7	13.13	51	19.76	0.00
84 STANLY	4	6.54	29	9.58	0.00
85 STOKES	4	9.41	28	13.75	0.00
86 SURRY	13	19.23	52	14.54	0.00
87 SWAIN	2	11.90	14	15.98	0.00
88 TRANSYLVANIA	8	25.15	17	11.98	0.00
89 TYRRELL	3	57.69	6	18.98	0.00
90 UNION	18	16.65	64	12.03	0.00
91 VANCE	11	21.23	58	21.13	0.00
92 WAKE	62	13.06	306	14.28	0.00
93 WARREN	1	4.52	22	18.80	0.00
94 WASHINGTON	6	20.20	14	12.47	0.00
95 WATAUGA	5	11.90	11	6.02	0.00
96 WAYNE	17	10.72	102	12.56	0.00
97 WILKES	7	9.62	42	11.30	0.00
98 WILSON	9	9.71	65	13.83	0.00
99 YADKIN	4	12.38	16	10.03	0.00
100 YANCEY	1	6.17	9	10.42	0.00

* SEE SECTION I

STATE CENTER FOR HEALTH STATISTICS
NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

INFANT MORTALITY

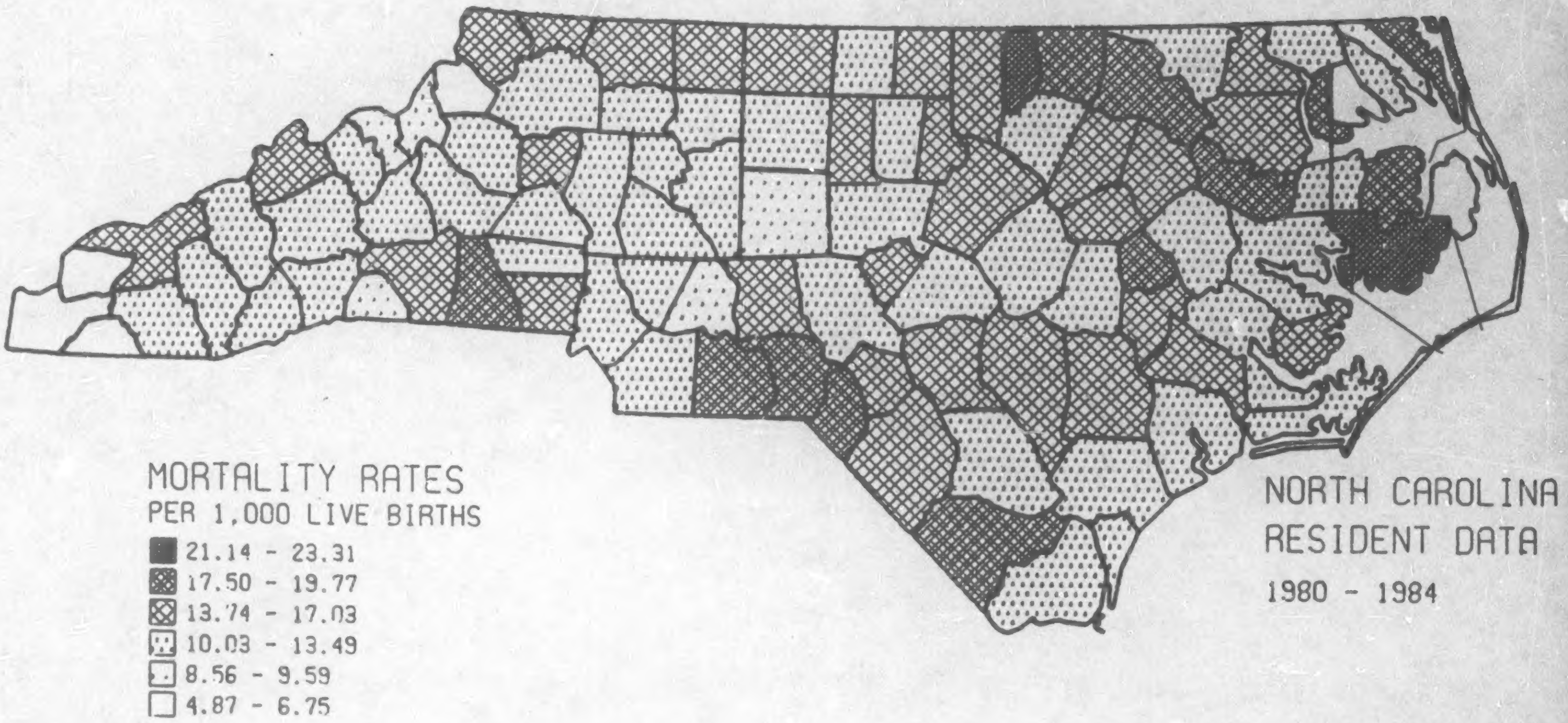

MORTALITY RATES
PER 1,000 LIVE BIRTHS
■ 21.14 - 23.31
▩ 17.50 - 19.77
▨ 13.74 - 17.03
⁙ 10.03 - 13.49
⁚ 8.56 - 9.59
☐ 4.87 - 6.75
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 28

VI. TABLES AND FIGURES: MULTIPLE CONDITIONS PRESENT AT DEATH 1980-84

TABLE 29

DEATHS BY SELECTED UNDERLYING CAUSE WITH FREQUENCY OF MENTIONED CONDITIONS, NORTH CAROLINA RESIDENTS, 1984

	Underlying Cause of Death	Total Under-lying*	Conditions Mentioned on Death Certificate (Numbers Refer to Row Titles) 1	2	3	4	5	6	7	8	9	10	11	12
1	Diseases of heart	18870	18869	8103	8384	2447	1852	8760	738	16	99	15	127	71
2	Acute myocardial infarction	8057	8057	8057	3287	904	469	3230	227	7	25	1	45	22
3	Other forms of ischemic heart disease	5010	5010	0	5010	527	517	3533	193	5	26	4	33	17
4	Hypertension with or without renal disease	244	115	0	0	242	26	74	7	0	1	0	0	3
5	Cerebrovascular disease	4512	1384	74	313	679	4512	1701	146	1	20	5	16	21
6	Atherosclerosis	536	332	0	0	0	0	536	29	1	4	0	5	4
7	Cancer	10649	2499	62	392	199	286	510	10649	299	1131	589	2964	937
8	Stomach	290	65	1	9	5	12	14	290	290	4	0	0	0
9	Colon, rectum, rectosigmoid junction & anus	1094	228	4	45	22	35	62	1094	1	1094	0	3	4
10	Pancreas	586	129	5	28	20	12	29	586	0	4	586	1	0
11	Trachea, bronchus and lung	2941	659	13	143	40	59	155	2941	5	10	1	2941	7
12	Female breast	918	179	5	12	19	17	22	918	0	4	0	2	918
13	Cervix uteri	149	41	0	3	6	2	4	149	0	1	0	0	1
14	Ovary & other uterine adnexa	273	57	0	4	4	0	4	273	0	1	0	0	2
15	Prostate	668	212	11	34	17	32	52	668	0	1	1	3	0
16	Leukemia	389	124	4	22	4	37	24	389	0	1	0	2	2
17	Diabetes Mellitus	873	597	166	203	169	166	309	23	2	3	1	1	2
18	Pneumonia & Influenza	1428	571	27	134	31	216	234	103	4	4	1	22	8
19	Chronic obstructive pulmonary disease & allied conditions	1491	707	44	148	55	63	180	98	0	11	1	40	5
20	Chronic liver disease and cirrhosis	591	146	2	20	16	8	25	13	1	1	0	1	2
21	Nephritis, nephrotic syndrome & nephrosis	542	331	35	58	11	42	83	17	0	4	1	2	1
22	Motor vehicle accidents	1484	78	3	10	1	3	13	2	0	0	0	0	0
23	All other accidents & adverse effects	1399	303	14	54	35	36	78	26	0	3	3	3	2
24	Suicide	820	36	1	4	4	4	5	15	0	1	1	5	0
25	Homicide	523	22	0	2	0	2	0	1	0	0	0	0	0
	TOTAL DEATHS**	51032	28492	8693	10082	4129	7662	13165	12129	328	1313	624	3228	1082

TABLE 29 — Continued

DEATHS BY SELECTED UNDERLYING CAUSE WITH FREQUENCY OF MENTIONED CONDITIONS, NORTH CAROLINA RESIDENTS, 1984

Underlying Cause of Death	Conditions Mentioned on Death Certificate (Numbers Refer to Row Titles) 13	14	15	16	17	18	19	20	21	22	23	24	25	Alcohol
1 Diseases of heart	14	8	153	32	1750	668	1231	98	646	7	432	1	0	186
2 Acute myocardial infarction	3	1	60	8	819	159	432	18	159	1	96	1	0	57
3 Other forms of ischemic heart disease	3	2	45	8	489	208	439	28	180	3	139	0	0	52
4 Hypertension with or without renal disease	1	0	2	0	37	12	15	1	15	0	6	0	0	6
5 Cerebrovascular disease	2	2	35	8	402	409	128	19	101	0	184	0	0	26
6 Atherosclerosis	1	0	4	2	35	34	27	0	47	0	21	0	0	6
7 Cancer	153	275	697	407	311	605	547	42	347	1	238	0	0	35
8 Stomach	0	0	0	1	13	6	6	1	11	0	6	0	0	0
9 Colon, rectum, rectosigmoid junction & anus	0	2	3	1	30	30	20	2	50	0	32	0	0	1
10 Pancreas	0	0	3	0	47	8	17	3	11	0	6	0	0	2
11 Trachea, bronchus and lung	0	0	8	4	63	250	344	4	24	0	54	0	0	7
12 Female breast	2	0	0	2	24	28	7	0	8	0	16	0	0	0
13 Cervix uteri	149	0	0	0	7	4	1	0	29	0	4	0	0	0
14 Ovary & other uterine adnexa	0	273	0	0	5	2	1	0	4	0	5	0	0	0
15 Prostate	0	0	668	1	23	35	23	2	55	0	12	0	0	1
16 Leukemia	0	0	4	389	11	50	9	1	17	0	12	0	0	1
17 Diabetes Mellitus	0	0	3	1	873	47	20	4	122	0	19	0	0	7
18 Pneumonia & Influenza	0	0	18	8	67	1428	127	24	95	0	27	0	0	38
19 Chronic obstructive pulmonary disease & allied conditions	1	0	14	1	42	245	1491	10	39	0	47	0	0	23
20 Chronic liver disease and cirrhosis	0	0	1	3	25	30	27	586	53	0	10	0	0	287
21 Nephritis, nephrotic syndrome & nephrosis	0	1	1	2	33	44	25	4	542	0	20	0	0	2
22 Motor vehicle accidents	0	0	1	1	4	1	1	1	9	1484	6	0	0	126
23 All other accidents & adverse effects	2	1	0	5	36	40	34	15	30	0	1399	0	0	191
24 Suicide	0	0	2	0	5	2	6	1	2	0	2	820	0	36
25 Homicide	0	0	0	0	1	2	3	1	1	0	4	0	523	20
TOTAL DEATHS**	181	293	964	486	3967	4099	3962	918	2595	1498	2954	822	523	1360

*Numbers shown here are the final underlying frequencies. They are sometimes larger than numbers shown on the diagonal due to the fact that a sequnce of conditions may imply an underlying cause that is not specifically mentioned on the death certificate.

**Differences between these totals and the summation over causes are attributable to causes not given in the table.

Note: In this table, a death counted only once in a condition category although several conditions within the category may have been reported or a single condition may have been recorded more than once on the death certificate.

TABLE 30

NUMBER OF DEATHS WITH SELECTED PAIRS OF CONDITIONS MENTIONED TOGETHER, NORTH CAROLINA RESIDENTS, 1984

	Conditions Mentioned on Death Certificate	Conditions Mentioned on Death Certificate (Numbers Refer to Row Titles)											
		1	2	3	4	5	6	7	8	9	10	11	12
1	Diseases of heart	28492	8693	10082	3313	3760	11473	3523	88	376	153	833	292
2	Acute myocardial infarction	8693	8693	3411	982	585	3388	305	9	34	8	62	28
3	Other forms of ischemic heart disease	10082	3411	10082	1021	1167	7014	735	19	89	33	203	47
4	Hypertension with or without renal disease	3313	982	1021	4129	1242	1336	304	6	43	20	52	42
5	Cerebrovascular disease	3760	585	1167	1242	7662	3192	520	16	74	18	86	49
6	Atherosclerosis	11473	3388	7014	1336	3192	13165	989	24	137	36	225	82
7	Cancer	3523	305	735	304	520	989	12129	328	1313	624	3228	1082
8	Stomach	88	9	19	6	16	24	328	328	6	0	5	0
9	Colon, rectum, rectosigmoid junction & anus	376	34	89	43	74	137	1313	6	1313	4	16	11
10	Pancreas	153	8	33	20	18	36	624	0	4	624	2	0
11	Trachea, bronchus and lung	833	62	203	52	86	225	3228	5	16	2	3228	10
12	Female breast	292	28	47	42	49	82	1082	0	11	0	10	1082
13	Cervix uteri	63	3	6	9	6	10	181	0	3	0	1	3
14	Ovary & other uterine adnexa	71	1	7	6	2	7	293	0	3	0	0	2
15	Prostate	421	72	115	38	90	167	964	1	6	4	13	0
16	Leukemia	173	12	36	8	49	42	486	1	2	0	7	4
17	Diabetes Mellitus	2945	1026	1272	895	879	1615	403	18	42	49	72	40
18	Pneumonia & Influenza	1868	214	539	188	868	956	774	10	45	12	287	40
19	Chronic obstructive pulmonary disease & allied conditions	2458	503	965	270	327	1173	737	7	40	21	419	16
20	Chronic liver disease and cirrhosis	317	23	71	41	37	99	66	2	4	3	9	5
21	Nephritis, nephrotic syndrome & nephrosis	1553	230	397	76	277	632	434	11	69	17	28	13
22	Motor vehicle accidents	87	4	13	1	4	16	3	0	0	0	0	0
23	All other accidents & adverse effects	1118	134	331	124	319	449	323	9	44	9	70	29
24	Suicide	37	2	4	4	4	5	15	0	1	1	5	0
25	Homicide	22	0	2	0	2	0	1	0	0	0	0	0
26	Alcohol-related conditions	421	67	113	73	50	128	47	1	2	3	8	1
	TOTAL DEATHS*	28492	8693	10082	4129	7662	13165	12129	328	1313	624	3228	1082

TABLE 30 — Continued

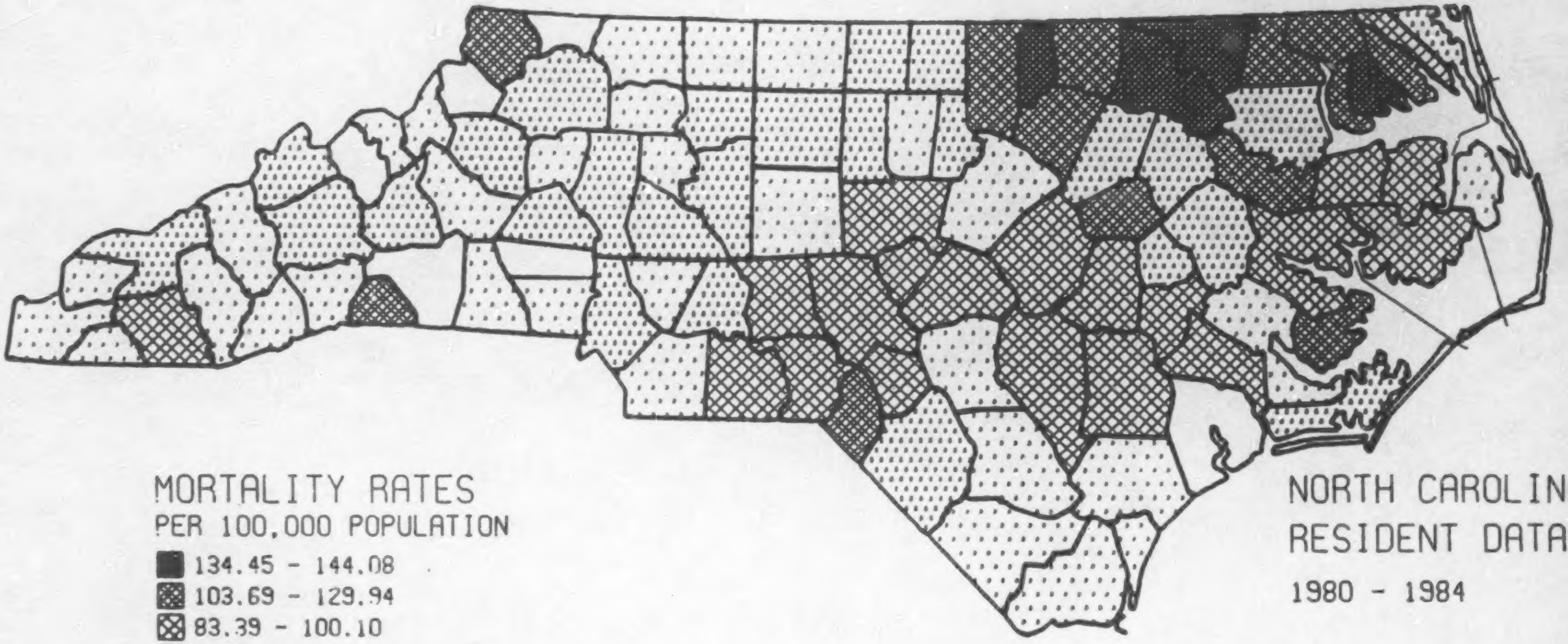
NUMBER OF DEATHS WITH SELECTED PAIRS OF CONDITIONS MENTIONED TOGETHER, NORTH CAROLINA RESIDENTS, 1984

Conditions Mentioned on Death Certificate	Conditions Mentioned on Death Certificate (Numbers Refer to Row Titles) 13	14	15	16	17	18	19	20	21	22	23	24	25	26
1 Diseases of heart	63	71	421	173	2945	1868	2458	317	1553	87	1118	37	22	421
2 Acute myocardial infarction	3	1	72	12	1026	214	503	23	230	4	134	2	0	67
3 Other forms of ischemic heart disease	6	7	115	36	1272	539	965	71	397	13	331	4	2	113
4 Hypertension with or without renal disease	9	6	38	8	895	188	270	41	76	1	124	4	0	73
5 Cerebrovascular disease	6	2	90	49	879	868	327	37	277	4	319	4	2	50
6 Atherosclerosis	10	7	167	42	1615	956	1173	99	632	16	449	5	0	128
7 Cancer	181	293	964	486	403	774	737	66	434	3	323	15	1	47
8 Stomach	0	0	1	1	18	10	7	2	11	0	9	0	0	1
9 Colon, rectum, rectosigmoid junction & anus	3	3	6	2	42	45	40	4	69	0	44	1	0	2
10 Pancreas	0	0	4	0	49	12	21	3	17	0	9	1	0	3
11 Trachea, bronchus and lung	1	0	13	7	72	287	419	9	28	0	70	5	0	8
12 Female breast	3	2	0	4	40	40	16	5	13	0	29	0	0	1
13 Cervix uteri	181	0	0	0	9	5	5	0	33	0	7	0	0	0
14 Ovary & other uterine adnexa	0	293	0	0	5	3	1	0	5	0	6	0	0	0
15 Prostate	0	0	964	5	37	64	54	5	70	1	21	2	0	3
16 Leukemia	0	0	5	486	16	66	15	4	25	1	20	0	0	2
17 Diabetes Mellitus	9	5	37	16	3967	248	216	51	324	5	140	5	1	35
18 Pneumonia & Influenza	5	3	64	66	248	4099	529	66	292	1	165	2	2	91
19 Chronic obstructive pulmonary disease & allied conditions	5	1	54	15	216	529	3962	62	160	1	152	6	3	94
20 Chronic liver disease and cirrhosis	0	0	5	4	51	66	62	918	81	1	43	1	1	383
21 Nephritis, nephrotic syndrome & nephrosis	33	5	70	25	324	292	160	81	2595	12	133	4	1	55
22 Motor vehicle accidents	0	0	1	1	5	1	1	1	12	1498	8	0	0	126
23 All other accidents & adverse effects	7	6	21	20	140	165	152	43	133	8	2954	2	4	233
24 Suicide	0	0	2	0	5	2	6	1	4	0	2	822	0	36
25 Homicide	0	0	0	0	1	2	3	1	1	0	4	0	523	20
26 Alcohol-related conditions	0	0	3	2	35	91	94	383	55	126	233	36	20	1360
TOTAL DEATHS*	181	293	964	486	3967	4099	3962	918	2595	1498	2954	822	523	1360

*Differences between these totals and the summation over causes are attributable to causes not given in the table and to multiple counting of a condition if it appears in combination with more than one other condition on a certificate.

Note: In this table, a death is counted only once in a condition category although several conditions within the category may have been reported or a single condition may have been recorded more than once on the death certificate. Also, the ICD-9 codes used to count hypertension and atherosclerosis mentions are different from the codes used to count underlying cause elsewhere in this report. For further explanation, see *Multiple Conditions Present at Death: A Special Study*, SCHS, 1982.

CONDITIONS MENTIONED - HYPERTENSION



MORTALITY RATES
PER 100,000 POPULATION
■ 134.45 - 144.08
▩ 103.69 - 129.94
▦ 83.39 - 100.10
▒ 62.71 - 81.32
⊡ 42.18 - 61.03
☐ 28.39 - 36.92

NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 29.A

CONDITIONS MENTIONED - HYPERTENSION

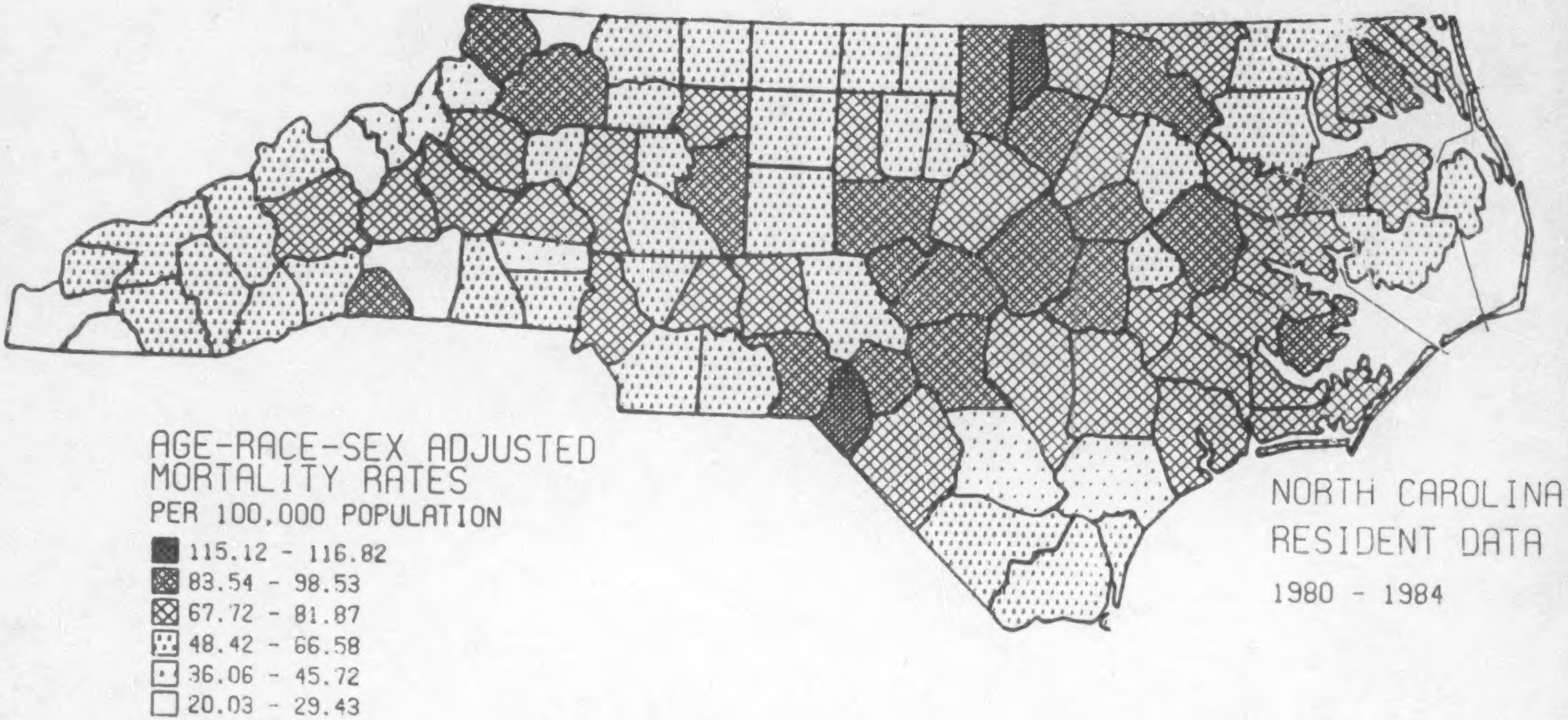

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
▇ 115.12 - 116.82
▩ 83.54 - 98.53
⊠ 67.72 - 81.87
⁙ 48.42 - 66.58
⊡ 36.06 - 45.72
☐ 20.03 - 29.43
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 29.B

CONDITIONS MENTIONED — ATHEROSCLEROSIS

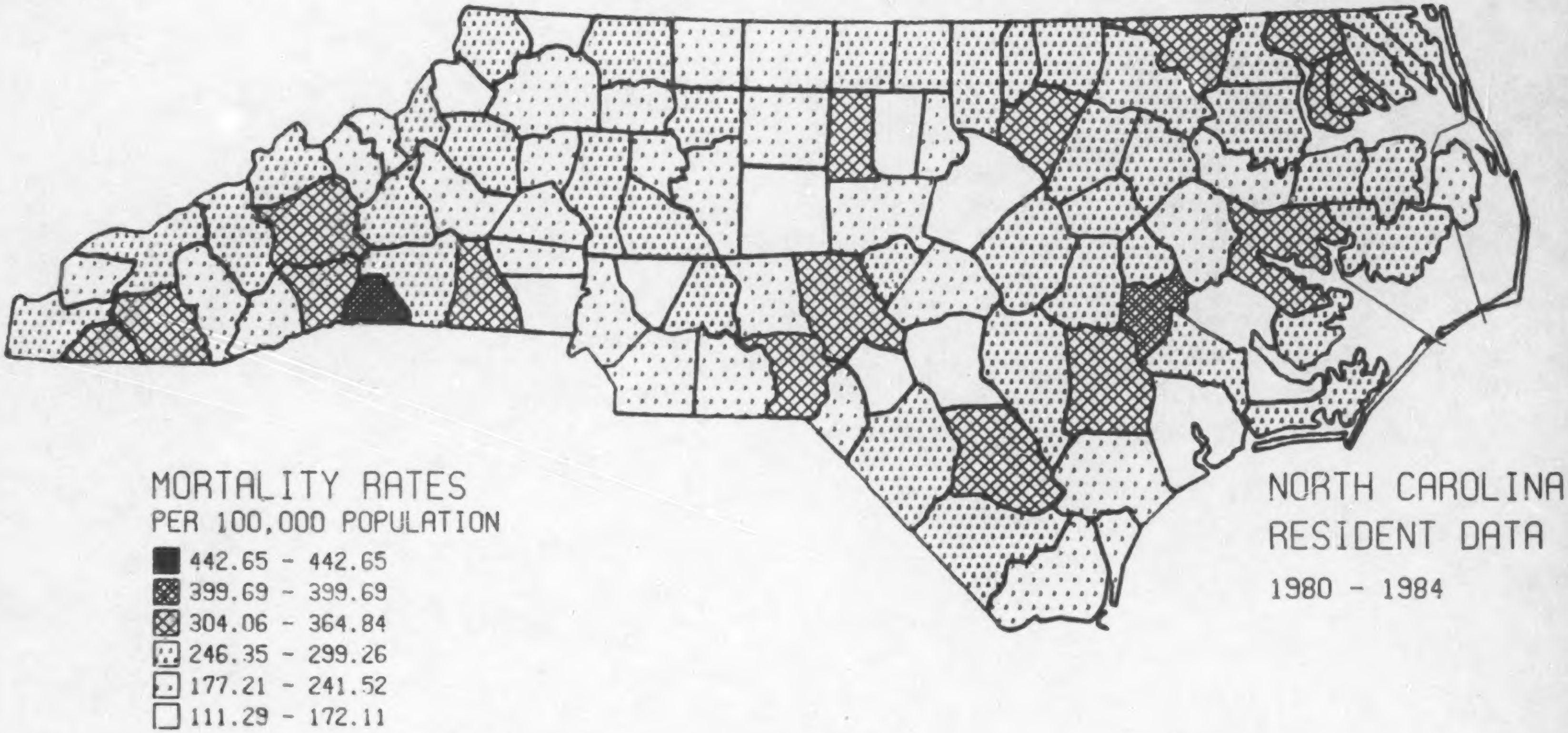

MORTALITY RATES
PER 100,000 POPULATION
■ 442.65 - 442.65
▩ 399.69 - 399.69
▨ 304.06 - 364.84
⠿ 246.35 - 299.26
⠅ 177.21 - 241.52
☐ 111.29 - 172.11
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 30.A

CONDITIONS MENTIONED — ATHEROSCLEROSIS

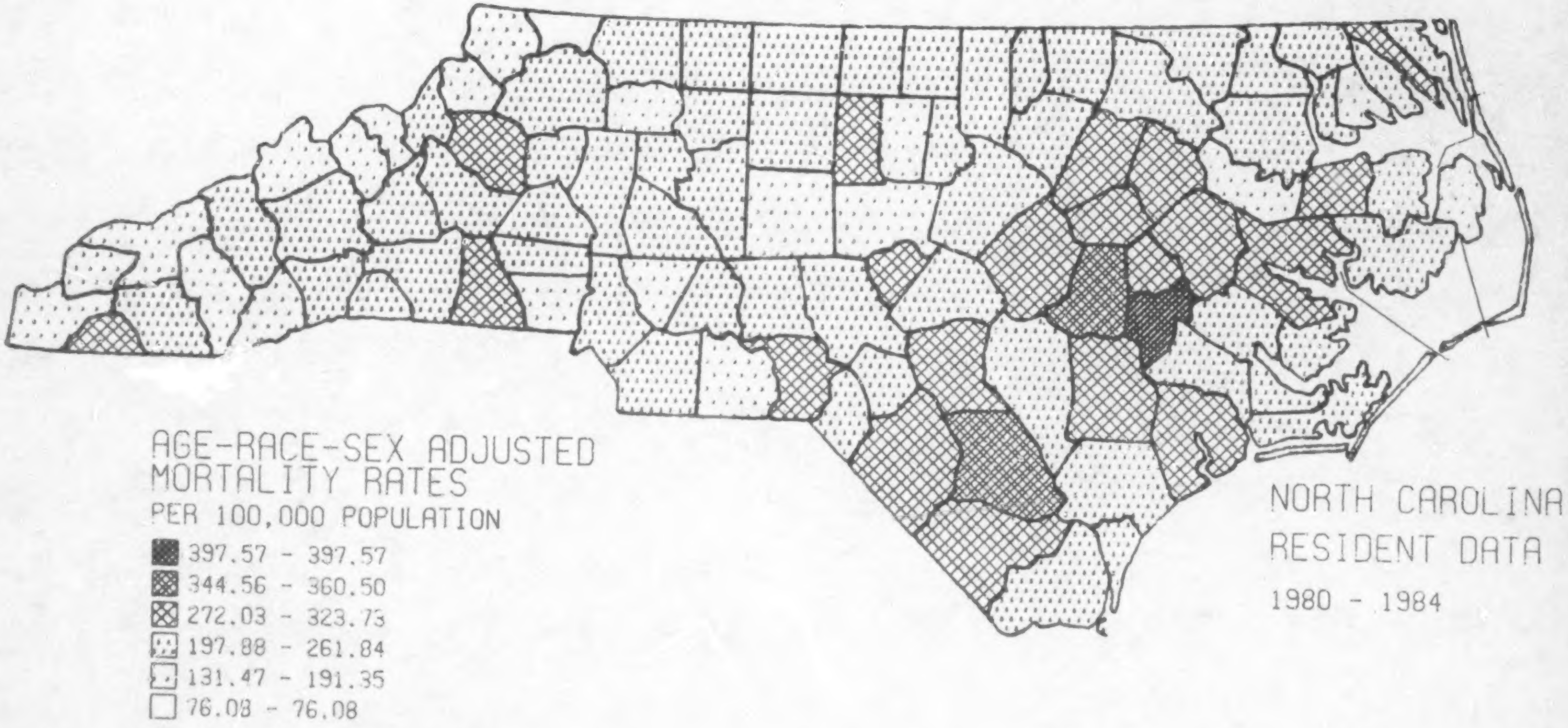

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
397.57 - 397.57
344.56 - 360.50
272.03 - 323.73
197.88 - 261.84
131.47 - 191.35
76.08 - 76.08
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 30.B

CONDITIONS MENTIONED - DIABETES

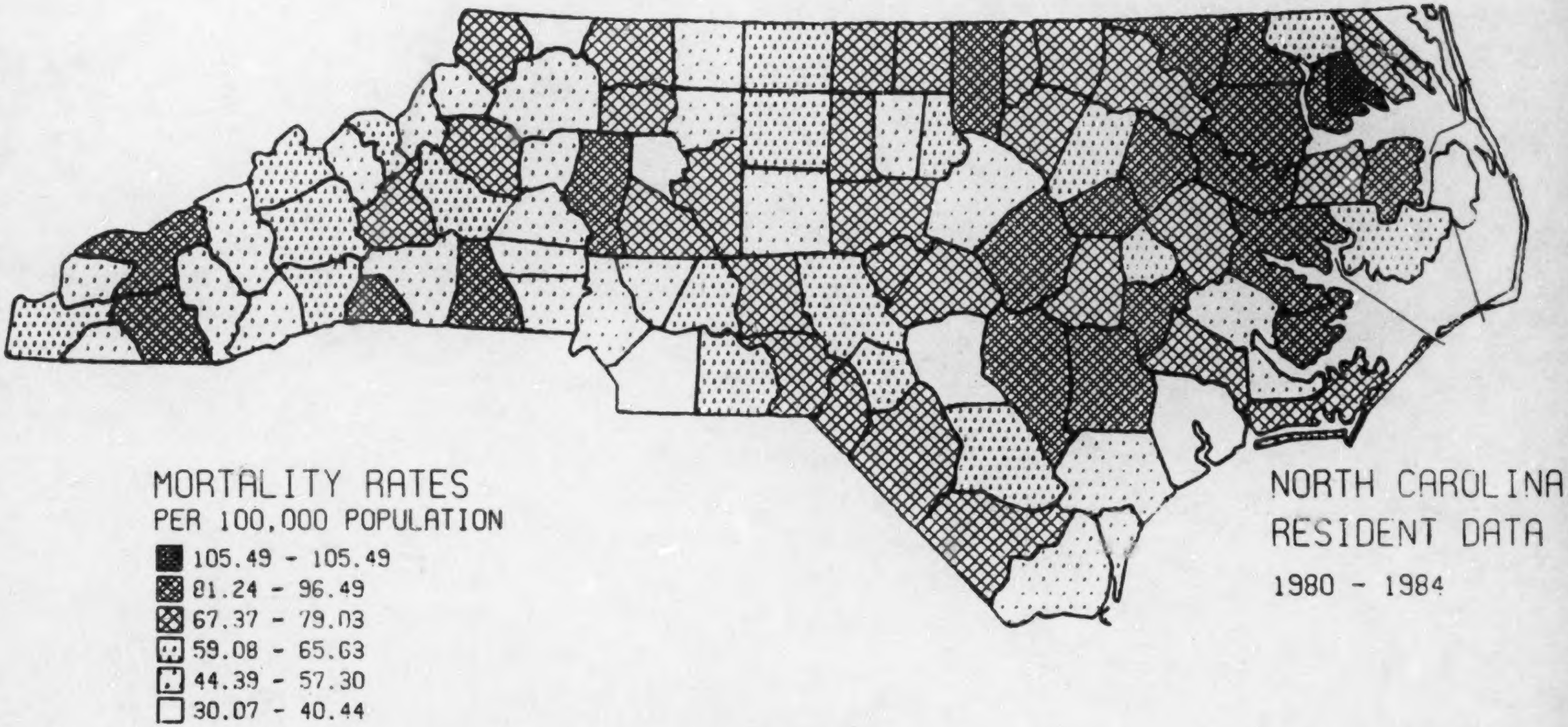

MORTALITY RATES
PER 100,000 POPULATION
■ 105.49 - 105.49
▩ 81.24 - 96.49
▨ 67.37 - 79.03
⛶ 59.08 - 65.63
⛶ 44.39 - 57.30
☐ 30.07 - 40.44
NORTH CAROLINA
RESIDENT DATA
1980 - 1984

FIGURE 31.A

CONDITIONS MENTIONED - DIABETES

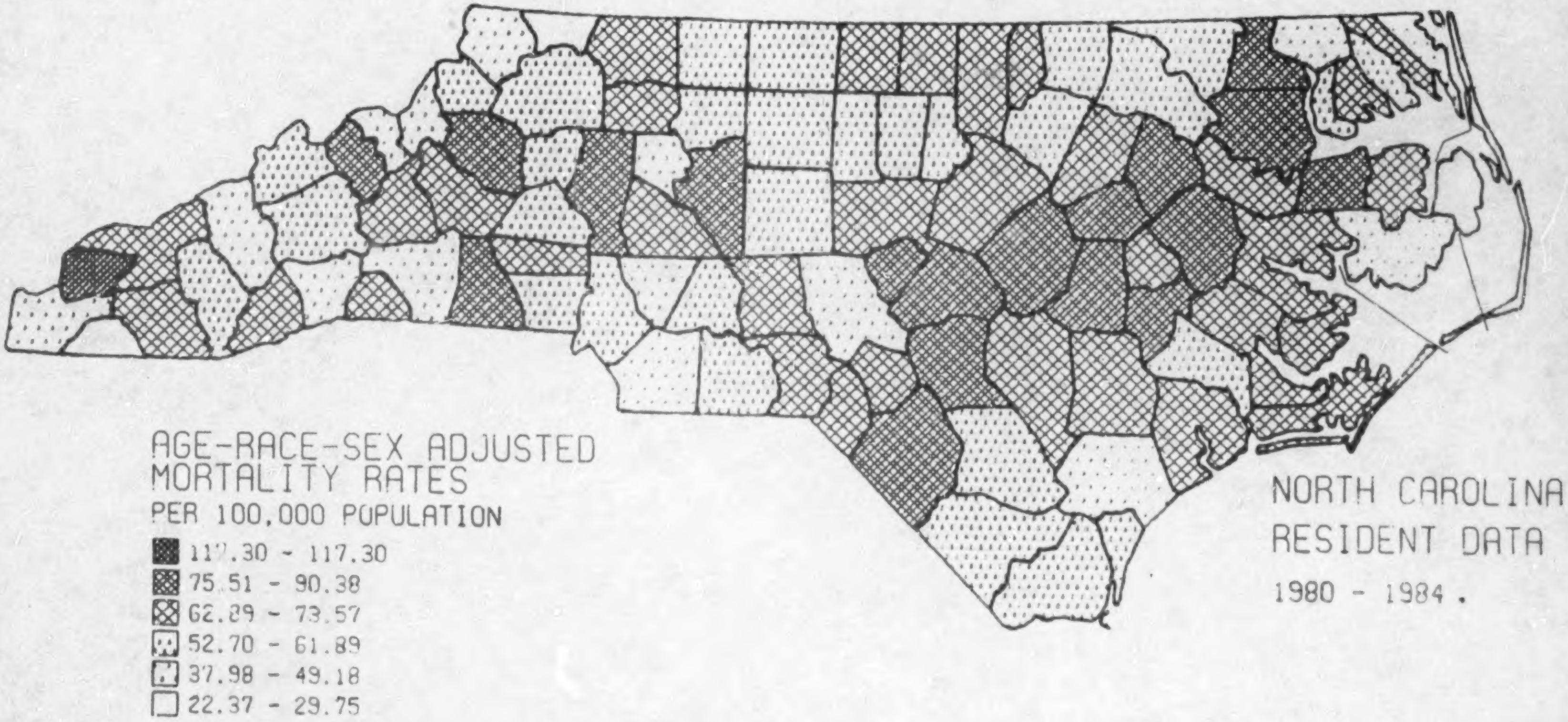

AGE-RACE-SEX ADJUSTED
MORTALITY RATES
PER 100,000 POPULATION
117.30 - 117.30
75.51 - 90.38
62.89 - 73.57
52.70 - 61.89
37.98 - 49.18
22.37 - 29.75
NORTH CAROLINA
RESIDENT DATA
1980 - 1984.

FIGURE 31.B

REFERENCES

1. SAS Institute Inc. SAS *User's Guide: Statistics, 1982 Edition*, Cluster Procedure. Cary, N.C., 1982.

2. Kleinman, J.C. "Infant Mortality," *Statistical Notes for Health Planners*. Number 2, National Center for Health Statistics, Rockville, Maryland, July 1976.

3. United States Department of Health and Human Services, Public Health Service, National Center for Health Statistics. "Births, Marriages, Divorces, and Deaths for 1984," *Monthly Vital Statistics Report*. (PHS) 85-1120, Volume 33, Number 12, Hyattsville, Maryland, March 26, 1985.